PREVIEW   CLOSE

Test (CS): Factoring of Polynomials

Question 1a of 25 (2 Using Tiles to Factor Trinomials 90900)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(x+1)(x+5), (x+5)(x+1), (1x+1)(1x+5), (1x+5)(1x+1), (x+1)*(x+5), (x+5)*(x+1), (1x+1)*(1x+5), (1x+5)*(1x+1), (x^1+1)(x^1+5), (x^1+5)(x^1+1), (1x^1+1)(1x^1+5), (1x^1+5)(1x^1+1), (x^1+1)*(x^1+5), (x^1+5)*(x^1+1), (1x^1+1)*(1x^1+5), (1x^1+5)*(1x^1+1)
Question:	The picture below shows the factorization of $x^2 + 6x + 5$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*
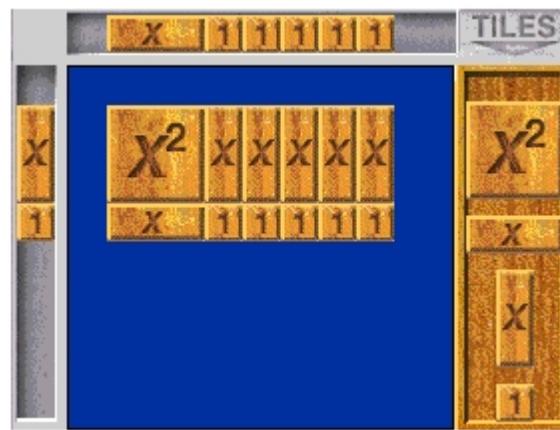
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 1)(x + 5)$.

# Question 1b of 25 (2 Using Tiles to Factor Trinomials 297789)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(x+1)(x+4), (x+4)(x+1), (1x+1)(1x+4), (1x+4)(1x+1), (x+1)*(x+4), (x+4)*(x+1), (1x+1)*(1x+4), (1x+4)*(1x+1), (x^1+1)(x^1+4), (x^1+4)(x^1+1), (1x^1+1)(1x^1+4), (1x^1+4)(1x^1+1), (x^1+1)*(x^1+4), (x^1+4)*(x^1+1), (1x^1+1)*(1x^1+4), (1x^1+4)*(1x^1+1)
Question:	The picture below shows the factorization of $x^2 + 5x + 4$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*
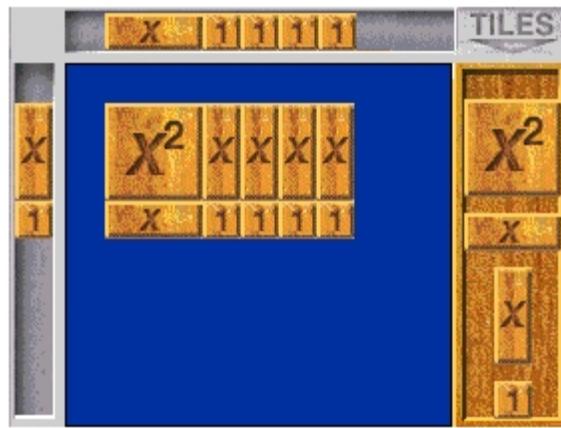
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 1)(x + 4)$.

Question 1c of 25 (2 Using Tiles to Factor Trinomials 297790)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x+1)(x+3), (x+3)(x+1), (1x+1)(1x+3), (1x+3)(1x+1), (x+1)*(x+3), (x+3)*(x+1), (1x+1)*(1x+3), (1x+3)*(1x+1), (x^1+1)(x^1+3), (x^1+3)(x^1+1), (1x^1+1)(1x^1+3), (1x^1+3)(1x^1+1), (x^1+1)*(x^1+3), (x^1+3)*(x^1+1), (1x^1+1)*(1x^1+3), (1x^1+3)*(1x^1+1)

Question: The picture below shows the factorization of $x^2 + 4x + 3$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*
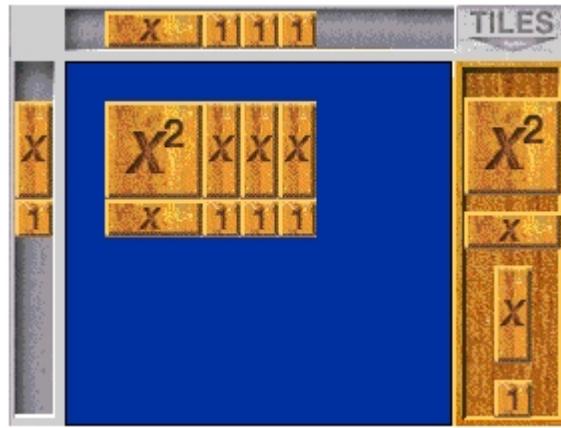
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 1)(x + 3)$.

Question 2a of 25 (2 Using Tiles to Factor Trinomials 90901)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x+2)(x+5), (x+5)(x+2), (1x+2)(1x+5), (1x+5)(1x+2), (x+2)*(x+5), (x+5)*(x+2), (1x+2)*(1x+5), (1x+5)*(1x+2), (x^1+2)(x^1+5), (x^1+5)(x^1+2), (1x^1+2)(1x^1+5), (1x^1+5)(1x^1+2), (x^1+2)*(x^1+5), (x^1+5)*(x^1+2), (1x^1+2)*(1x^1+5), (1x^1+5)*(1x^1+2)

Question: The picture below shows the factorization of $x^2 + 7x + 10$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*
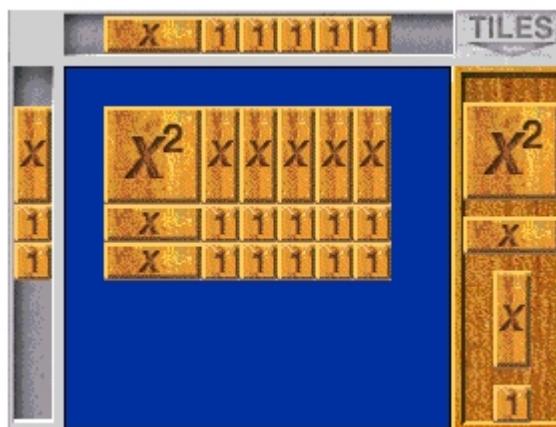
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 2)(x + 5)$.

Question 2b of 25 (2 Using Tiles to Factor Trinomials 297791)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x+3)(x+5), (x+5)(x+3), (1x+3)(1x+5), (1x+5)(1x+3), (x+3)*(x+5), (x+5)*(x+3), (1x+3)*(1x+5), (1x+5)*(1x+3), (x^1+3)(x^1+5), (x^1+5)(x^1+3), (1x^1+3)(1x^1+5), (1x^1+5)(1x^1+3), (x^1+3)*(x^1+5), (x^1+5)*(x^1+3), (1x^1+3)*(1x^1+5), (1x^1+5)*(1x^1+3)

Question: The picture below shows the factorization of $x^2 + 8x + 15$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*

| Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 3)(x + 5)$.

Question 2c of 25 (2 Using Tiles to Factor Trinomials 297792)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(x+2)(x+4), (x+4)(x+2), (1x+2)(1x+4), (1x+4)(1x+2), (x+2)*(x+4), (x+4)*(x+2), (1x+2)*(1x+4), (1x+4)*(1x+2), (x^1+2)(x^1+4), (x^1+4)(x^1+2), (1x^1+2)(1x^1+4), (1x^1+4)(1x^1+2), (x^1+2)*(x^1+4), (x^1+4)*(x^1+2), (1x^1+2)*(1x^1+4), (1x^1+4)*(1x^1+2)
Question:	The picture below shows the factorization of $x^2 + 6x + 8$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*
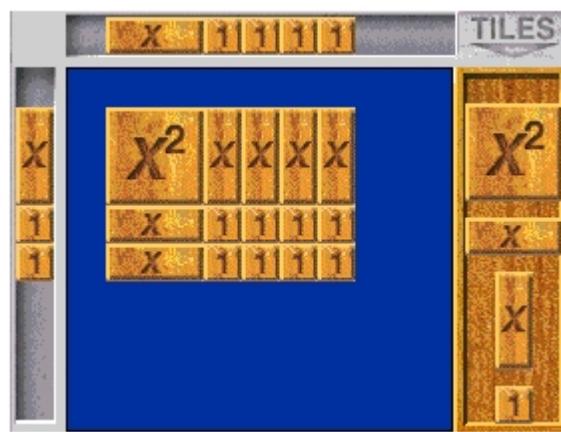
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 2)(x + 4)$.

Question 3a of 25 (2 Using Tiles to Factor Trinomials 485236)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x+5)(x+4), (x+4)(x+5), (1x+5)(1x+4), (1x+4)(1x+5), (x+5)*(x+4), (x+4)*(x+5), (1x+5)*(1x+4), (1x+4)*(1x+5), (x^1+5)(x^1+4), (x^1+4)(x^1+5), (1x^1+5)(1x^1+4), (1x^1+4)(1x^1+5), (x^1+5)*(x^1+4), (x^1+4)*(x^1+5), (1x^1+5)*(1x^1+4), (1x^1+4)*(1x^1+5)

Question: The picture below shows the factorization of $x^2 - 9x - 20$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*
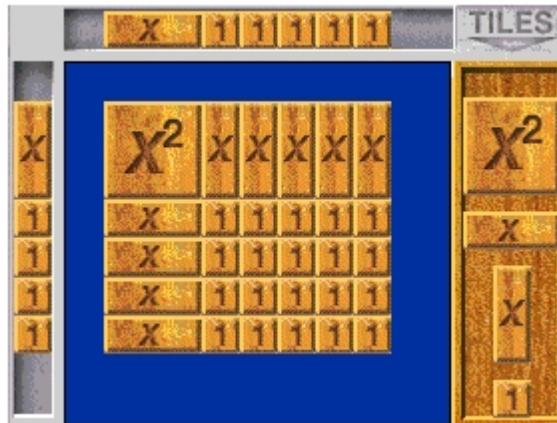
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 5)(x + 4)$.

Question 3b of 25 (2 Using Tiles to Factor Trinomials 485237)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x+3)(x+4), (x+4)(x+3), (1x+3)(1x+4), (1x+4)(1x+3), (x+3)*(x+4), (x+4)*(x+3), (1x+3)*(1x+4), (1x+4)*(1x+3), (x^1+3)(x^1+4), (x^1+4)(x^1+3), (1x^1+3)(1x^1+4), (1x^1+4)(1x^1+3), (x^1+3)*(x^1+4), (x^1+4)*(x^1+3), (1x^1+3)*(1x^1+4), (1x^1+4)*(1x^1+3)

Question: The picture below shows the factorization of   . Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 3)(x + 4)$.

Question 3c of 25 (2 Using Tiles to Factor Trinomials 485238)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(x+3)(x+2), (x+2)(x+3), (1x+3)(1x+2), (1x+2)(1x+3), (x+3)*(x+2), (x+2)*(x+3), (1x+3)*(1x+2), (1x+2)*(1x+3), (x^1+3)(x^1+2), (x^1+2)(x^1+3), (1x^1+3)(1x^1+2), (1x^1+2)(1x^1+3), (x^1+3)*(x^1+2), (x^1+2)*(x^1+3), (1x^1+3)*(1x^1+2), (1x^1+2)*(1x^1+3)
Question:	The picture below shows the factorization of $x^2 - 5x - 6$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*
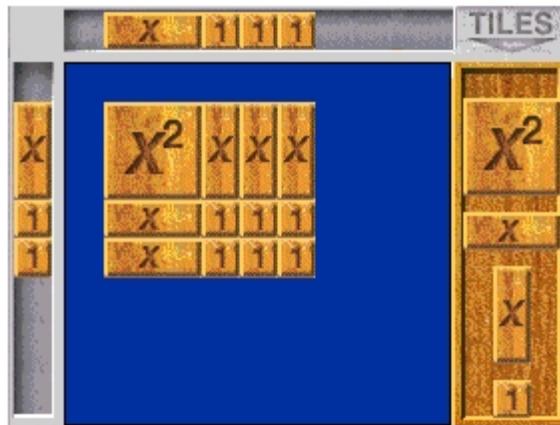
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 3)(x + 2)$.

Question 4a of 25 (2 Using Tiles to Factor Trinomials 90902)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x+1)(x+6), (x+6)(x+1), (1x+1)(1x+6), (1x+6)(1x+1), (x+1)*(x+6), (x+6)*(x+1), (1x+1)*(1x+6), (1x+6)*(1x+1), (x^1+1)(x^1+6), (x^1+6)(x^1+1), (1x^1+1)(1x^1+6), (1x^1+6)(1x^1+1), (x^1+1)*(x^1+6), (x^1+6)*(x^1+1), (1x^1+1)*(1x^1+6), (1x^1+6)*(1x^1+1)

Question: The picture below shows the factorization of $x^2 + 7x + 6$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*
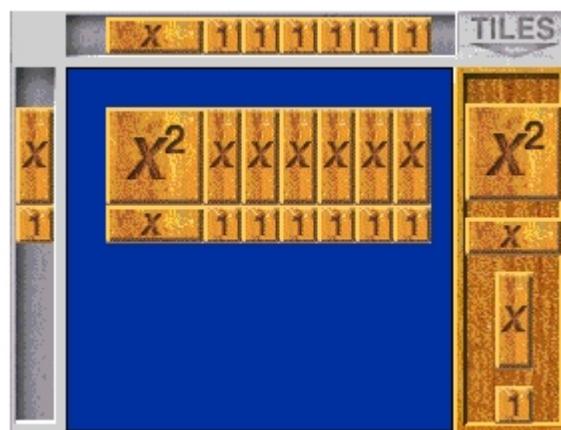
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 1)(x + 6)$.

Question 4b of 25 (2 Using Tiles to Factor Trinomials 297793)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x+1)(x+7), (x+7)(x+1), (1x+1)(1x+7), (1x+7)(1x+1), (x+1)*(x+7), (x+7)*(x+1), (1x+1)*(1x+7), (1x+7)*(1x+1), (x^1+1)(x^1+7), (x^1+7)(x^1+1), (1x^1+1)(1x^1+7), (1x^1+7)(1x^1+1), (x^1+1)*(x^1+7), (x^1+7)*(x^1+1), (1x^1+1)*(1x^1+7), (1x^1+7)*(1x^1+1)

Question: The picture below shows the factorization of $x^2 + 8x + 7$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 1)(x + 7)$.

Question 4c of 25 (2 Using Tiles to Factor Trinomials 297794)

|	
Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(x+2)(x+6), (x+6)(x+2), (1x+2)(1x+6), (1x+6)(1x+2), (x+2)*(x+6), (x+6)*(x+2), (1x+2)*(1x+6), (1x+6)*(1x+2), (x^1+2)(x^1+6), (x^1+6)(x^1+2), (1x^1+2)(1x^1+6), (1x^1+6)(1x^1+2), (x^1+2)*(x^1+6), (x^1+6)*(x^1+2), (1x^1+2)*(1x^1+6), (1x^1+6)*(1x^1+2)
Question:	The picture below shows the factorization of $x^2 + 8x + 12$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*
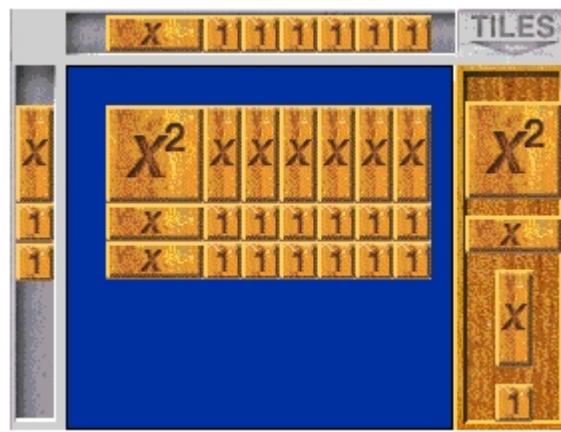
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 2)(x + 6)$.

Question 5a of 25 (2 Using Tiles to Factor Trinomials 90903)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (2x+3)(x+2), (x+2)(2x+3), (2x+3)*(x+2), (x+2)*(2x+3), (2x+3)(1x+2), (1x+2)(2x+3), (2x+3)*(1x+2), (1x+2)*(2x+3), (2x^1+3)(x^1+2), (x^1+2)(2x^1+3), (2x^1+3)*(x^1+2), (x^1+2)*(2x^1+3), (2x^1+3)(1x^1+2), (1x^1+2)(2x^1+3), (2x^1+3)*(1x^1+2), (1x^1+2)*(2x^1+3)

Question: The picture below shows the factorization of $2x^2 + 7x + 6$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*
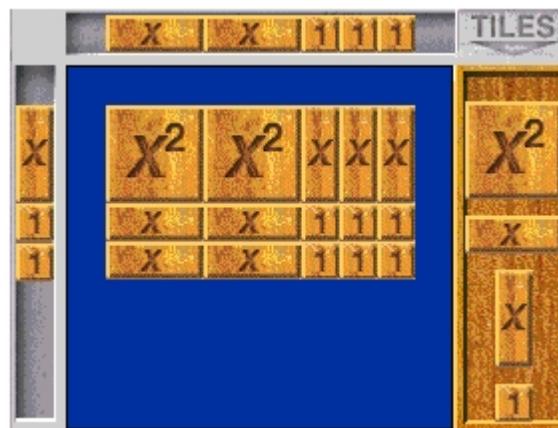
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x + 3)(x + 2)$.

Question 5b of 25 (2 Using Tiles to Factor Trinomials 297795)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (2x+3)(x+3), (x+3)(2x+3), (2x+3)*(x+3), (x+3)*(2x+3), (2x+3)(1x+3), (1x+3)(2x+3), (2x+3)*(1x+3), (1x+3)*(2x+3), (2x^1+3)(x^1+3), (x^1+3)(2x^1+3), (2x^1+3)*(x^1+3), (x^1+3)*(2x^1+3), (2x^1+3)(1x^1+3), (1x^1+3)(2x^1+3), (2x^1+3)*(1x^1+3), (1x^1+3)*(2x^1+3)

Question: The picture below shows the factorization of $2x^2 + 9x + 9$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x + 3)(x + 3)$.

Question 5c of 25 (2 Using Tiles to Factor Trinomials 297796)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(2x+3)(x+1), (x+1)(2x+3), (2x+3)*(x+1), (x+1)*(2x+3), (2x+3)(1x+1), (1x+1)(2x+3), (2x+3)*(1x+1), (1x+1)*(2x+3), (2x^1+3)(x^1+1), (x^1+1)(2x^1+3), (2x^1+3)*(x^1+1), (x^1+1)*(2x^1+3), (2x^1+3)(1x^1+1), (1x^1+1)(2x^1+3), (2x^1+3)*(1x^1+1), (1x^1+1)*(2x^1+3)
Question:	The picture below shows the factorization of $2x^2 + 5x + 3$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*
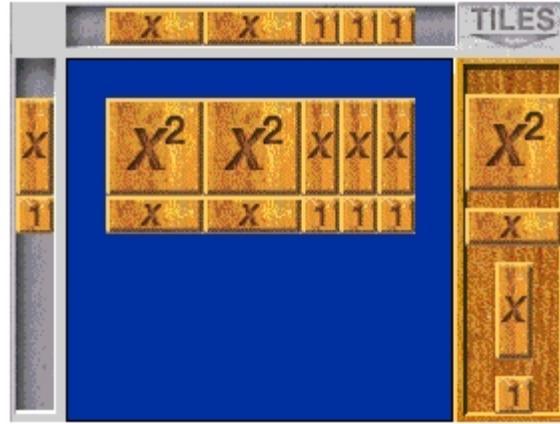
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x + 3)(x + 1)$.

Question 6a of 25 (3 Factoring a Trinomial's Leading Coefficient and Constant 90904)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (2x+1)(x+3), (x+3)(2x+1), (2x+1)*(x+3), (x+3)*(2x+1), (2x+1)(1x+3), (1x+3)(2x+1), (2x+1)*(1x+3), (1x+3)*(2x+1), (2x^1+1)(x^1+3), (x^1+3)(2x^1+1), (2x^1+1)*(x^1+3), (x^1+3)*(2x^1+1), (2x^1+1)(1x^1+3), (1x^1+3)(2x^1+1), (2x^1+1)*(1x^1+3), (1x^1+3)*(2x^1+1)

Question: The picture below shows the factorization of $2x^2 + 7x + 3$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*
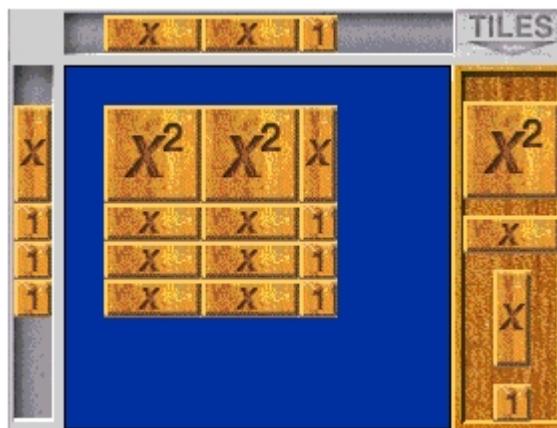
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x + 1)(x + 3)$.

Question 6b of 25 (3 Factoring a Trinomial's Leading Coefficient and Constant 297797)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (2x+1)(x+2), (x+2)(2x+1), (2x+1)*(x+2), (x+2)*(2x+1), (2x+1)(1x+2), (1x+2)(2x+1), (2x+1)*(1x+2), (1x+2)*(2x+1), (2x^1+1)(x^1+2), (x^1+2)(2x^1+1), (2x^1+1)*(x^1+2), (x^1+2)*(2x^1+1), (2x^1+1)(1x^1+2), (1x^1+2)(2x^1+1), (2x^1+1)*(1x^1+2), (1x^1+2)*(2x^1+1)

Question: The picture below shows the factorization of $2x^2 + 5x + 2$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x + 1)(x + 2)$.

Question 6c of 25 (3 Factoring a Trinomial's Leading Coefficient and Constant 297798)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(2x+1)(x+1), (x+1)(2x+1), (2x+1)*(x+1), (x+1)*(2x+1), (2x+1)(1x+1), (1x+1)(2x+1), (2x+1)*(1x+1), (1x+1)*(2x+1), (2x^1+1)(x^1+2), (x^1+2)(2x^1+1), (2x^1+1)*(x^1+2), (x^1+2)*(2x^1+1), (2x^1+1)(1x^1+2), (1x^1+2)(2x^1+1), (2x^1+1)*(1x^1+2), (1x^1+2)*(2x^1+1)
Question:	The picture below shows the factorization of $2x^2 + 3x + 1$. Enter the factorization in the box below. *Write each factor as a polynomial in descending order.*
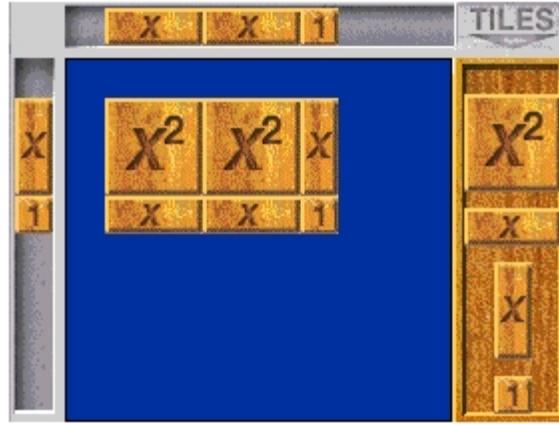
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x + 1)(x + 1)$.

Question 7a of 25 (2 Factoring a Trinomial's Leading Coefficient and Constant 90905)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x-1)(x-4), (x-4)(x-1), (1x-1)(1x-4), (1x-4)(1x-1), (x-1)*(x-4), (x-4)*(x-1), (1x-1)*(1x-4), (1x-4)*(1x-1), (x^1-1)(x^1-4), (x^1-4)(x^1-1), (1x^1-1)(1x^1-4), (1x^1-4)(1x^1-1), (x^1-1)*(x^1-4), (x^1-4)*(x^1-1), (1x^1-1)*(1x^1-4), (1x^1-4)*(1x^1-1)

Question: Use the graph to find the factorization of x^2 - 5x + 4 and enter it in the box below. *Write each factor as a polynomial in descending order.*
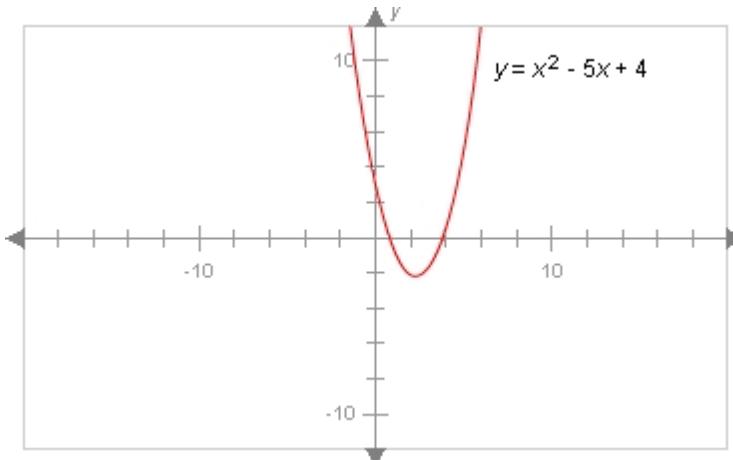
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x - 1)(x - 4)$.

Question 7b of 25 (2 Factoring a Trinomial's Leading Coefficient and Constant 297799)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x-2)(x-4), (x-4)(x-2), (1x-2)(1x-4), (1x-4)(1x-2), (x-2)*(x-4), (x-4)*(x-2), (1x-2)*(1x-4), (1x-4)*(1x-2), (x^1-2)(x^1-4), (x^1-4)(x^1-2), (1x^1-2)(1x^1-4), (1x^1-4)(1x^1-2), (x^1-2)*(x^1-4), (x^1-4)*(x^1-2), (1x^1-2)*(1x^1-4), (1x^1-4)*(1x^1-2)

Question: Use the graph to find the factorization of x^2 - 6x + 8 and enter it in the box below. *Write each factor as a polynomial in descending order.*

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x - 2)(x - 4)$.

Question 7c of 25 (2 Factoring a Trinomial's Leading Coefficient and Constant 297800)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(x-3)(x-4), (x-4)(x-3), (1x-3)(1x-4), (1x-4)(1x-3), (x-3)*(x-4), (x-4)*(x-3), (1x-3)*(1x-4), (1x-4)*(1x-3), (x^1-3)(x^1-4), (x^1-4)(x^1-3), (1x^1-3)(1x^1-4), (1x^1-4)(1x^1-3), (x^1-3)*(x^1-4), (x^1-4)*(x^1-3), (1x^1-3)*(1x^1-4), (1x^1-4)*(1x^1-3)
Question:	Use the graph to find the factorization of x^2 - $7x$ + 12 and enter it in the box below. *Write each factor as a polynomial in descending order.*
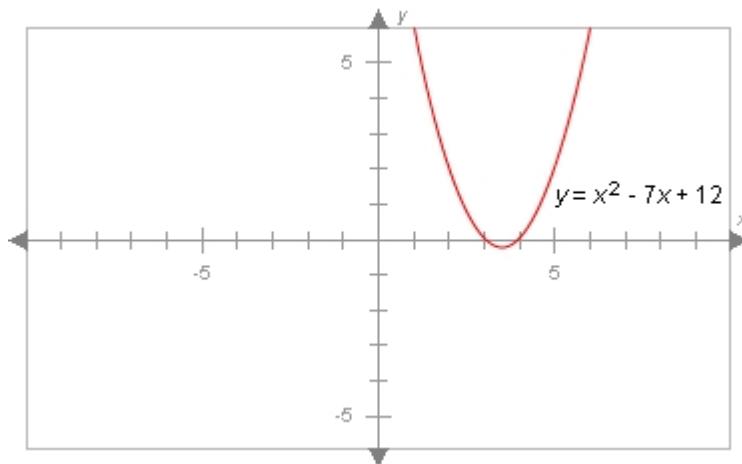
$y = x^2 - 7x + 12$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x - 3)(x - 4)$.

Question 8a of 25 (2 Factoring a Trinomial's Leading Coefficient and Constant 485239)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x+7)(x+4), (x+4)(x+7), (1x+7)(1x+4), (1x+4)(1x+7), (x+7)*(x+4), (x+4)*(x+7), (1x+7)*(1x+4), (1x+4)*(1x+7), (x^1+7)(x^1+4), (x^1+4)(x^1+7), (1x^1+7)(1x^1+4), (1x^1+4)(1x^1+7), (x^1+7)*(x^1+4), (x^1+4)*(x^1+7), (1x^1+7)*(1x^1+4), (1x^1+4)*(1x^1+7)

Question: Use the graph to find the factorization of $x^2 - 11x - 28$ and enter it in the box below. *Write each factor as a polynomial in descending order.*
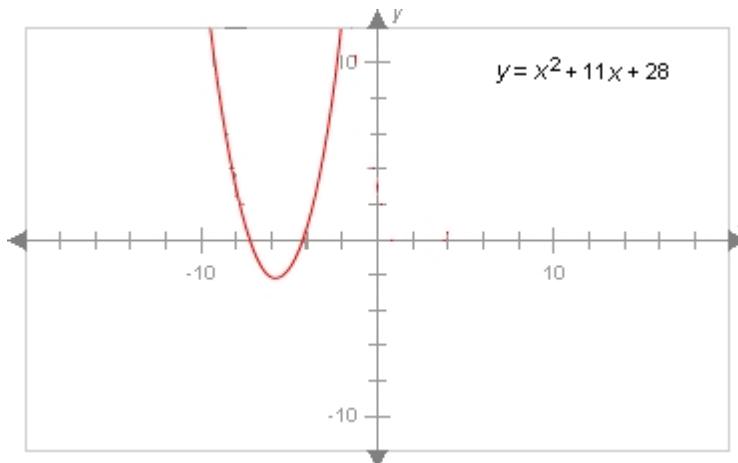
$y = x^2 + 11x + 28$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 4)(x + 7)$.

Question 8b of 25 (2 Factoring a Trinomial's Leading Coefficient and Constant 485240)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x-5)(x-8), (x-8)(x-5), (1x-5)(1x-8), (1x-8)(1x-5), (x-5)*(x-8), (x-8)*(x-5), (1x-5)*(1x-8), (1x-8)*(1x-5), (x^1-5)(x^1-8), (x^1-8)(x^1-5), (1x^1-5)(1x^1-8), (1x^1-8)(1x^1-5), (x^1-5)*(x^1-8), (x^1-8)*(x^1-5), (1x^1-5)*(1x^1-8), (1x^1-8)*(1x^1-5)

Question: Use the graph to find the factorization of　　　　　　and enter it in the box below. *Write each factor as a polynomial in descending order.*

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x - 5)(x - 8)$.

Question 8c of 25 (2 Factoring a Trinomial's Leading Coefficient and Constant 485241)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x-9)(x-12), (x-12)(x-9), (1x-9)(1x-12), (1x-12)(1x-9), (x-9)*(x-12), (x-12)*(x-9), (1x-9)*(1x-12), (1x-12)*(1x-9), (x^1-9)(x^1-12), (x^1-12)(x^1-9), (1x^1-9)(1x^1-12), (1x^1-12)(1x^1-9), (x^1-9)*(x^1-12), (x^1-12)*(x^1-9), (1x^1-9)*(1x^1-12), (1x^1-12)*(1x^1-9)

Question: Use the graph to find the factorization of $x^2 - 21x + 108$ and enter it in the box below. *Write each factor as a polynomial in descending order.*
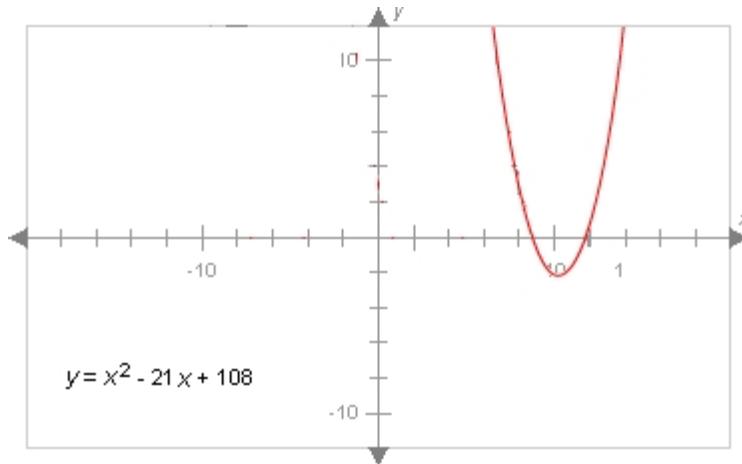
$y = x^2 - 21x + 108$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x - 9)(x - 12)$.

Question 9a of 25 (2 Using Zero Product Rule to Determine Factorization 90906)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x-1)(x-3), (x-3)(x-1), (1x-1)(1x-3), (1x-3)(1x-1), (x-1)*(x-3), (x-3)*(x-1), (1x-1)*(1x-3), (1x-3)*(1x-1), (x^1-1)(x^1-3), (x^1-3)(x^1-1), (1x^1-1)(1x^1-3), (1x^1-3)(1x^1-1), (x^1-1)*(x^1-3), (x^1-3)*(x^1-1), (1x^1-1)*(1x^1-3), (1x^1-3)*(1x^1-1)

Question: Use the graph to find the factorization of $x^2 - 4x + 3$ and enter it in the box below. *Write each factor as a polynomial in descending order.*
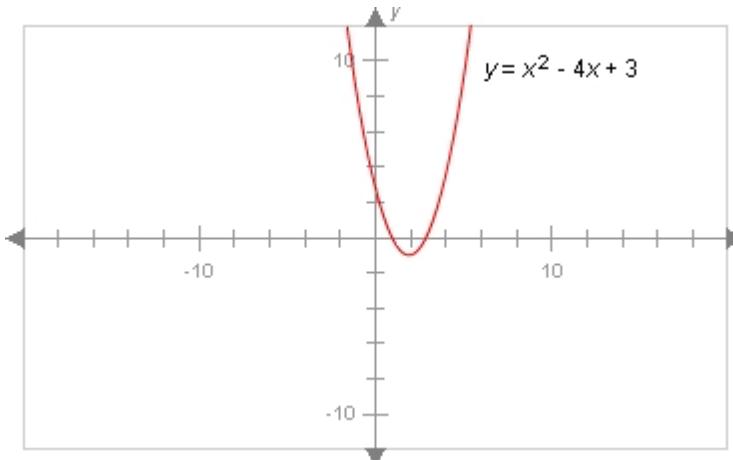
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x - 1)(x - 3)$.

Question 9b of 25 (2 Using Zero Product Rule to Determine Factorization 297801)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x-2)(x-3), (x-3)(x-2), (1x-2)(1x-3), (1x-3)(1x-2), (x-2)*(x-3), (x-3)*(x-2), (1x-2)*(1x-3), (1x-3)*(1x-2), (x^1-2)(x^1-3), (x^1-3)(x^1-2), (1x^1-2)(1x^1-3), (1x^1-3)(1x^1-2), (x^1-2)*(x^1-3), (x^1-3)*(x^1-2), (1x^1-2)*(1x^1-3), (1x^1-3)*(1x^1-2)

Question: Use the graph to find the factorization of $x^2 - 5x + 6$ and enter it in the box below. *Write each factor as a polynomial in descending order.*

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x - 2)(x - 3)$.

Question 9c of 25 (2 Using Zero Product Rule to Determine Factorization 297802)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x-1)(x-5), (x-5)(x-1), (1x-1)(1x-5), (1x-5)(1x-1), (x-1)*(x-5), (x-5)*(x-1), (1x-1)*(1x-5), (1x-5)*(1x-1), (x^1-1)(x^1-5), (x^1-5)(x^1-1), (1x^1-1)(1x^1-5), (1x^1-5)(1x^1-1), (x^1-1)*(x^1-5), (x^1-5)*(x^1-1), (1x^1-1)*(1x^1-5), (1x^1-5)*(1x^1-1)

Question: Use the graph to find the factorization of $x^2 - 6x + 5$ and enter it in the box below. *Write each factor as a polynomial in descending order.*
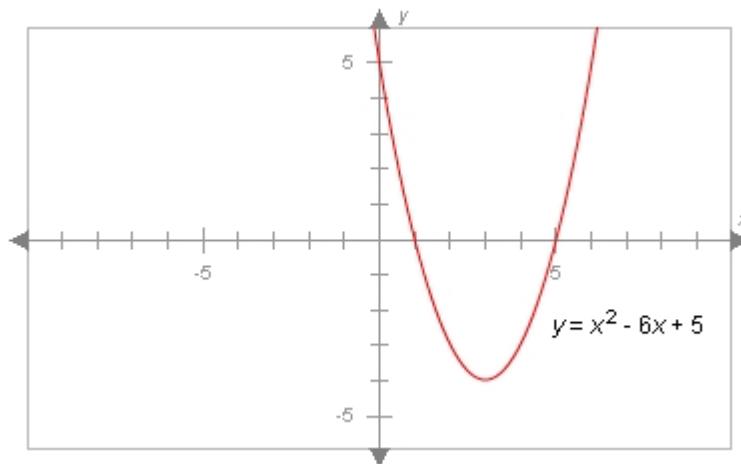
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x - 1)(x - 5)$.

Question 10a of 25 (2 Using Zero Product Rule to Determine Factorization 90907)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x-1)(x+6), (x+6)(x-1), (1x-1)(1x+6), (1x+6)(1x-1), (x-1)*(x+6), (x+6)*(x-1), (1x-1)*(1x+6), (1x+6)*(1x-1), (x^1-1)(x^1+6), (x^1+6)(x^1-1), (1x^1-1)(1x^1+6), (1x^1+6)(1x^1-1), (x^1-1)*(x^1+6), (x^1+6)*(x^1-1), (1x^1-1)*(1x^1+6), (1x^1+6)*(1x^1-1)

Question: Use the graph to find the factorization of $x^2 + 5x - 6$ and enter it in the box below. *Write each factor as a polynomial in descending order.*

$$y = x^2 + 5x - 6$$
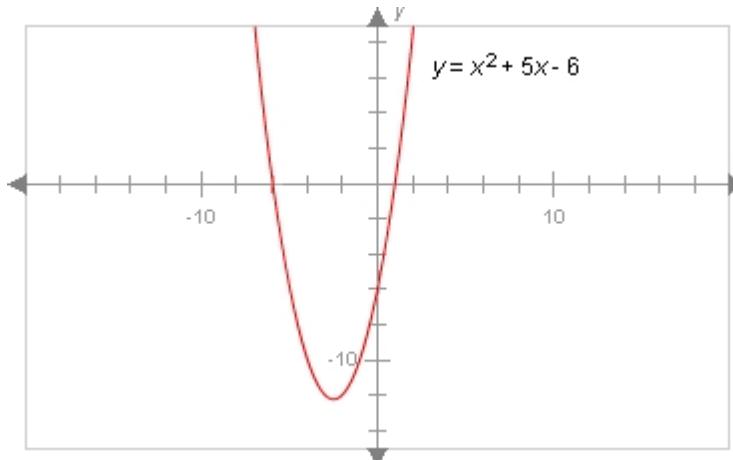
Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x - 1)(x + 6)$.

Question 10b of 25 (2 Using Zero Product Rule to Determine Factorization 297803)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x-1)(x+7), (x+7)(x-1), (1x-1)(1x+7), (1x+7)(1x-1), (x-1)*(x+7), (x+7)*(x-1), (1x-1)*(1x+7), (1x+7)*(1x-1), (x^1-1)(x^1+7), (x^1+7)(x^1-1), (1x^1-1)(1x^1+7), (1x^1+7)(1x^1-1), (x^1-1)*(x^1+7), (x^1+7)*(x^1-1), (1x^1-1)*(1x^1+7), (1x^1+7)*(1x^1-1)

Question: Use the graph to find the factorization of $x^2 + 6x - 7$ and enter it in the box below. *Write each factor as a polynomial in descending order.*

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x - 1)(x + 7)$.

Question 10c of 25 (2 Using Zero Product Rule to Determine Factorization 297804)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x-2)(x+6), (x+6)(x-2), (1x-2)(1x+6), (1x+6)(1x-2), (x-2)*(x+6), (x+6)*(x-2), (1x-2)*(1x+6), (1x+6)*(1x-2), (x^1-2)(x^1+6), (x^1+6)(x^1-2), (1x^1-2)(1x^1+6), (1x^1+6)(1x^1-2), (x^1-2)*(x^1+6), (x^1+6)*(x^1-2), (1x^1-2)*(1x^1+6), (1x^1+6)*(1x^1-2)

Question: Use the graph to find the factorization of $x^2 + 4x - 12$ and enter it in the box below. *Write each factor as a polynomial in descending order.*
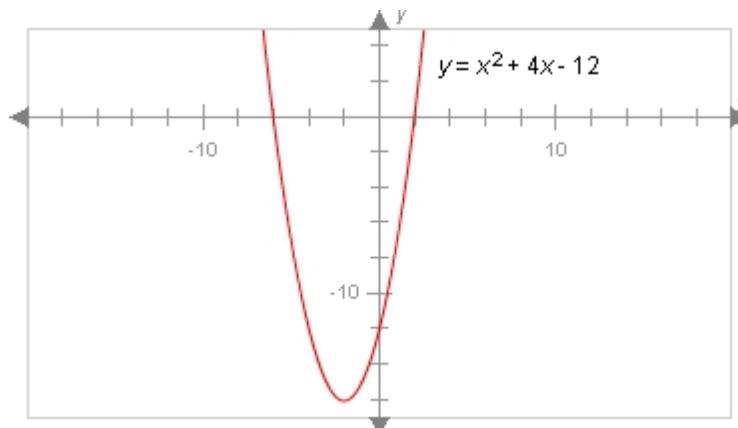
$y = x^2 + 4x - 12$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x - 2)(x + 6)$.

Question 11a of 25 (2 Using Zero Product Rule to Determine Factorization 90908)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x+2)(x-4), (x-4)(x+2), (1x+2)(1x-4), (1x-4)(1x+2), (x+2)*(x-4), (x-4)*(x+2), (1x+2)*(1x-4), (1x-4)*(1x+2), (x^1+2)(x^1-4), (x^1-4)(x^1+2), (1x^1+2)(1x^1-4), (1x^1-4)(1x^1+2), (x^1+2)*(x^1-4), (x^1-4)*(x^1+2), (1x^1+2)*(1x^1-4), (1x^1-4)*(1x^1+2)

Question: Use the graph to find the factorization of x^2 - 2x - 8 and enter it in the box below. *Write each factor as a polynomial in descending order.*
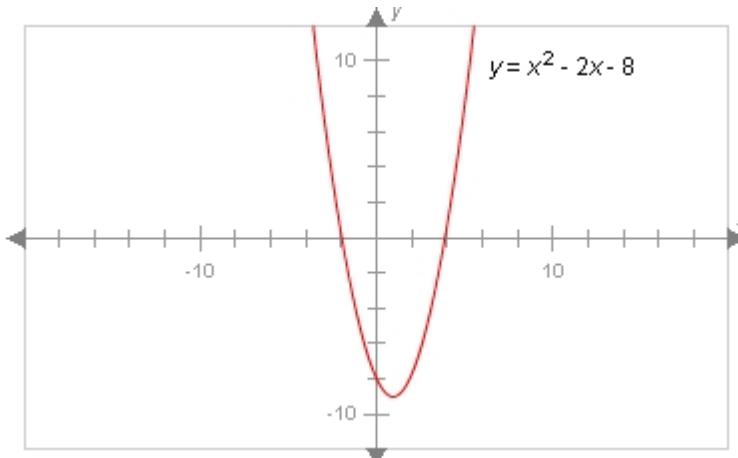
$y = x^2 - 2x - 8$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 2)(x - 4)$.

Question 11b of 25 (2 Using Zero Product Rule to Determine Factorization 297805)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (x+2)(x-3), (x-3)(x+2), (1x+2)(1x-3), (1x-3)(1x+2), (x+2)*(x-3), (x-3)*(x+2), (1x+2)*(1x-3), (1x-3)*(1x+2), (x^1+2)(x^1-3), (x^1-3)(x^1+2), (1x^1+2)(1x^1-3), (1x^1-3)(1x^1+2), (x^1+2)*(x^1-3), (x^1-3)*(x^1+2), (1x^1+2)*(1x^1-3), (1x^1-3)*(1x^1+2)

Question: Use the graph to find the factorization of x^2 - x - 6 and enter it in the box below. *Write each factor as a polynomial in descending order.*

| Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 2)(x - 3)$.

Question 11c of 25 (2 Using Zero Product Rule to Determine Factorization 297806)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(x+2)(x-5), (x-5)(x+2), (1x+2)(1x-5), (1x-5)(1x+2), (x+2)*(x-5), (x-5)*(x+2), (1x+2)*(1x-5), (1x-5)*(1x+2), (x^1+2)(x^1-5), (x^1-5)(x^1+2), (1x^1+2)(1x^1-5), (1x^1-5)(1x^1+2), (x^1+2)*(x^1-5), (x^1-5)*(x^1+2), (1x^1+2)*(1x^1-5), (1x^1-5)*(1x^1+2)
Question:	Use the graph to find the factorization of x^2 - 3x - 10 and enter it in the box below. *Write each factor as a polynomial in descending order.*
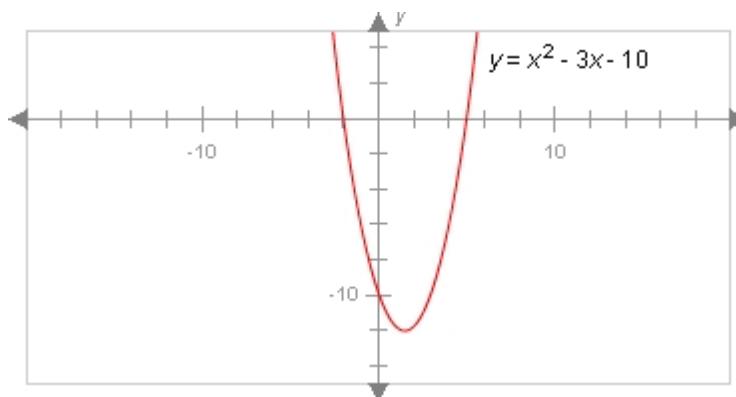
$y = x^2 - 3x - 10$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 2)(x - 5)$.

Question 12a of 25 (3 Finding a Common Factor in Each Term of a Trinomial 90909)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	3(x+2), (x+2)3, 3(1x+2), (1x+2)3, 3*(x+2), (x+2)*3, 3*(1x+2), (1x+2)*3, (3)(x+2), (x+2)(3), (3)(1x+2), (1x+2)(3), (3)*(x+2), (x+2)*(3), (3)*(1x+2), (1x+2)*(3), 3(x^1+2), (x^1+2)3, 3(1x^1+2), (1x^1+2)3, 3*(x^1+2), (x^1+2)*3, 3*(1x^1+2), (1x^1+2)*3, (3)(x^1+2), (x^1+2)(3), (3)(1x^1+2), (1x^1+2)(3), (3)*(x^1+2), (x^1+2)*(3), (3)*(1x^1+2), (1x^1+2)*(3)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.*

$3x + 6$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 3(*x* + 2).

Question 12b of 25 (3 Finding a Common Factor in Each Term of a Trinomial 297807)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	3(x+3), (x+3)3, 3(1x+3), (1x+3)3, 3*(x+3), (x+3)*3, 3*(1x+3), (1x+3)*3, (3)(x+3), (x+3)(3), (3)(1x+3), (1x+3)(3), (3)*(x+3), (x+3)*(3), (3)*(1x+3), (1x+3)*(3), 3(x^1+3), (x^1+3)3, 3(1x^1+3), (1x^1+3)3, 3*(x^1+3), (x^1+3)*3, 3*(1x^1+3), (1x^1+3)*3, (3)(x^1+3), (x^1+3)(3), (3)(1x^1+3), (1x^1+3)(3), (3)*(x^1+3), (x^1+3)*(3), (3)*(1x^1+3), (1x^1+3)*(3)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.*

$3x + 9$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 3(*x* + 3).

Question 12c of 25 (3 Finding a Common Factor in Each Term of a Trinomial 297808)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	3(x+4), (x+4)3, 3(1x+4), (1x+4)3, 3*(x+4), (x+4)*3, 3*(1x+4), (1x+4)*3, (3)(x+4), (x+4)(3), (3)(1x+4), (1x+4)(3), (3)*(x+4), (x+4)*(3), (3)*(1x+4), (1x+4)*(3), 3(x^1+4), (x^1+4)3, 3(1x^1+4), (1x^1+4)3, 3*(x^1+4), (x^1+4)*3, 3*(1x^1+4), (1x^1+4)*3, (3)(x^1+4), (x^1+4)(3), (3)(1x^1+4), (1x^1+4)(3), (3)*(x^1+4), (x^1+4)*(3), (3)*(1x^1+4), (1x^1+4)*(3)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.*

$3x + 12$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 3(*x* + 4).

Question 13a of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485242)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(2x^2+2)(x+5), (x+5)(2x^2+2), (x+5)*(2x^2+2), (2x^2+2)*(x+5), (x^1+5)(2x^2+2), (2x^2+2)(x^1+5), (x^1+5)*(2x^2+2), (2x^2+2)*(x^1+5), (1x+5)(2x^2+2), (2x^2+2)(1x+5), (1x+5)*(2x^2+2), (2x^2+2)*(1x+5), (1x^1+5)(2x^2+2), (2x^2+2)(1x^1+5), (1x^1+5)*(2x^2+2), (2x^2+2)*(1x^1+5)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$2x^3 + 10x^2 + 2x + 10$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $\left(2x^2 - 2\right)\left(x + 5\right)$.

Question 13b of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485243)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(2x^2+3)(x+7), (x+7)(2x^2+3), (x+7)*(2x^2+3), (2x^2+3)*(x+7), (x^1+7)(2x^2+3), (2x^2+3)(x^1+7), (x^1+7)*(2x^2+3), (2x^2+3)*(x^1+7), (1x+7)(2x^2+3), (2x^2+3)(1x+7), (1x+7)*(2x^2+3), (2x^2+3)*(1x+7), (1x^1+7)(2x^2+3), (2x^2+3)(1x^1+7), (1x^1+7)*(2x^2+3), (2x^2+3)*(1x^1+7)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: .

Question 13c of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485244)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (2x^2+1)(x+4), (x+4)(2x^2+1), (x+4)*(2x^2+1), (2x^2+1)*(x+4), (x^1+4)(2x^2+1), (2x^2+1)(x^1+4), (x^1+4)*(2x^2+1), (2x^2+1)*(x^1+4), (1x+4)(2x^2+1), (2x^2+1)(1x+4), (1x+4)*(2x^2+1), (2x^2+1)*(1x+4), (1x^1+4)(2x^2+1), (2x^2+1)(1x^1+4), (1x^1+4)*(2x^2+1), (2x^2+1)*(1x^1+4)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$2x^3 + 8x^2 + x + 4$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x^2 - 1)(x + 4)$.

Question 14a of 25 (3 Finding a Common Factor in Each Term of a Trinomial 90910)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: 4(x+4), (x+4)4, 4(1x+4), (1x+4)4, 4*(x+4), (x+4)*4, 4*(1x+4), (1x+4)*4, (4)(x+4), (x+4)(4), (4)(1x+4), (1x+4)(4), (4)*(x+4), (x+4)*(4), (4)*(1x+4), (1x+4)*(4), 4(x^1+4), (x^1+4)4, 4(1x^1+4), (1x^1+4)4, 4*(x^1+4), (x^1+4)*4, 4*(1x^1+4), (1x^1+4)*4, (4)(x^1+4), (x^1+4)(4), (4)(1x^1+4), (1x^1+4)(4), (4)*(x^1+4), (x^1+4)*(4), (4)*(1x^1+4), (1x^1+4)*(4)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.*

$$4x + 16$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $4(x + 4)$.

Question 14b of 25 (3 Finding a Common Factor in Each Term of a Trinomial 297809)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: 4(x+3), (x+3)4, 4(1x+3), (1x+3)4, 4*(x+3), (x+3)*4, 4*(1x+3), (1x+3)*4, (4)(x+3), (x+3)(4), (4)(1x+3), (1x+3)(4), (4)*(x+3), (x+3)*(4), (4)*(1x+3), (1x+3)*(4), 4(x^1+3), (x^1+3)4, 4(1x^1+3), (1x^1+3)4, 4*(x^1+3), (x^1+3)*4, 4*(1x^1+3), (1x^1+3)*4, (4)(x^1+3), (x^1+3)(4), (4)(1x^1+3), (1x^1+3)(4), (4)*(x^1+3), (x^1+3)*(4), (4)*(1x^1+3), (1x^1+3)*(4)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.*

$4x + 12$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $4(x + 3)$.

Question 14c of 25 (3 Finding a Common Factor in Each Term of a Trinomial 297810)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: 4(x+5), (x+5)4, 4(1x+5), (1x+5)4, 4*(x+5), (x+5)*4, 4*(1x+5), (1x+5)*4, (4)(x+5), (x+5)(4), (4)(1x+5), (1x+5)(4), (4)*(x+5), (x+5)*(4), (4)*(1x+5), (1x+5)*(4), 4(x^1+5), (x^1+5)4, 4(1x^1+5), (1x^1+5)4, 4*(x^1+5), (x^1+5)*4, 4*(1x^1+5), (1x^1+5)*4, (4)(x^1+5), (x^1+5)(4), (4)(1x^1+5), (1x^1+5)(4), (4)*(x^1+5), (x^1+5)*(4), (4)*(1x^1+5), (1x^1+5)*(4)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.*

$4x + 20$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $4(x + 5)$.

Question 15a of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485245)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(3x^2+1)(x+5), (x+5)(3x^2+1), (x+5)*(3x^2+1), (3x^2+1)*(x+5), (x^1+5)(3x^2+1), (3x^2+1)(x^1+5), (x^1+5)*(3x^2+1), (3x^2+1)*(x^1+5), (1x+5)(3x^2+1), (3x^2+1)(1x+5), (1x+5)*(3x^2+1), (3x^2+1)*(1x+5), (1x^1+5)(3x^2+1), (3x^2+1)(1x^1+5), (1x^1+5)*(3x^2+1), (3x^2+1)*(1x^1+5)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$3x^3 + 15x^2 + x + 5$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(3x^2 - 1)(x + 5)$.

Question 15b of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485246)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(3x^2+2)(x+3), (x+3)(3x^2+2), (x+3)*(3x^2+2), (3x^2+2)*(x+3), (x^1+3)(3x^2+2), (3x^2+2)(x^1+3), (x^1+3)*(3x^2+2), (3x^2+2)*(x^1+3), (1x+3)(3x^2+2), (3x^2+2)(1x+3), (1x+3)*(3x^2+2), (3x^2+2)*(1x+3), (1x^1+3)(3x^2+2), (3x^2+2)(1x^1+3), (1x^1+3)*(3x^2+2), (3x^2+2)*(1x^1+3)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: .

Question 15c of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485247)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(3x^2+7)(x+6), (x+6)(3x^2+7), (x+6)*(3x^2+7), (3x^2+7)*(x+6), (x^1+6)(3x^2+7), (3x^2+7)(x^1+6), (x^1+6)*(3x^2+7), (3x^2+7)*(x^1+6), (1x+6)(3x^2+7), (3x^2+7)(1x+6), (1x+6)*(3x^2+7), (3x^2+7)*(1x+6), (1x^1+6)(3x^2+7), (3x^2+7)(1x^1+6), (1x^1+6)*(3x^2+7), (3x^2+7)*(1x^1+6)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$2x^3 + 18x^2 + 7x + 42$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(3x^2 - 7)(x + 6)$.

Question 16a of 25 (3 Finding a Common Factor in Each Term of a Trinomial 90911)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	2x(x+4), (2x-0)(x+4), (x+4)(2x-0), (2x-0)*(x+4), (x+4)*(2x-0), 2x(x+4), (x+4)2x, 2x*(x+4), (x+4)*2x, (2x)(x+4), (x+4)(2x), (2x)*(x+4), (x+4)*(2x), (2x^1-0)(x^1+4), (x^1+4)(2x^1-0), (2x^1-0)*(x^1+4), (x^1+4)*(2x^1-0), 2x^1(x^1+4), (x^1+4)2x^1, 2x^1*(x^1+4), (x^1+4)*2x^1, (2x^1)(x^1+4), (x^1+4)(2x^1), (2x^1)*(x^1+4), (x^1+4)*(2x^1), (2x-0)(1x+4), (1x+4)(2x-0), (2x-0)*(1x+4), (1x+4)*(2x-0), 2x(1x+4), (1x+4)2x, 2x*(1x+4), (1x+4)*2x, (2x)(1x+4), (1x+4)(2x), (2x)*(1x+4), (1x+4)*(2x), (2x^1-0)(1x^1+4), (1x^1+4)(2x^1-0), (2x^1-0)*(1x^1+4), (1x^1+4)*(2x^1-0), 2x^1(1x^1+4), (1x^1+4)2x^1, 2x^1*(1x^1+4), (1x^1+4)*2x^1, (2x^1)(1x^1+4), (1x^1+4)(2x^1), (2x^1)*(1x^1+4), (1x^1+4)*(2x^1)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.*

$$2x^2 + 8x$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $2x(x + 4)$.

Question 16b of 25 (3 Finding a Common Factor in Each Term of a Trinomial 297811)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: 2x(x+3), (2x-0)(x+3), (x+3)(2x-0), (2x-0)*(x+3), (x+3)*(2x-0), 2x(x+3), (x+3)2x, 2x*(x+3), (x+3)*2x, (2x)(x+3), (x+3)(2x), (2x)*(x+3), (x+3)*(2x), (2x^1-0)(x^1+3), (x^1+3)(2x^1-0), (2x^1-0)*(x^1+3), (x^1+3)*(2x^1-0), 2x^1(x^1+3), (x^1+3)2x^1, 2x^1*(x^1+3), (x^1+3)*2x^1, (2x^1)(x^1+3), (x^1+3)(2x^1), (2x^1)*(x^1+3), (x^1+3)*(2x^1), (2x-0)(1x+3), (1x+3)(2x-0), (2x-0)*(1x+3), (1x+3)*(2x-0), 2x(1x+3), (1x+3)2x, 2x*(1x+3), (1x+3)*2x, (2x)(1x+3), (1x+3)(2x), (2x)*(1x+3), (1x+3)*(2x), (2x^1-0)(1x^1+3), (1x^1+3)(2x^1-0), (2x^1-0)*(1x^1+3), (1x^1+3)*(2x^1-0), 2x^1(1x^1+3), (1x^1+3)2x^1, 2x^1*(1x^1+3), (1x^1+3)*2x^1, (2x^1)(1x^1+3), (1x^1+3)(2x^1), (2x^1)*(1x^1+3), (1x^1+3)*(2x^1)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.*

$2x^2 + 6x$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $2x(x + 3)$.

Question 16c of 25 (3 Finding a Common Factor in Each Term of a Trinomial 297812)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: 2x(x+5), (2x-0)(x+5), (x+5)(2x-0), (2x-0)*(x+5), (x+5)*(2x-0), 2x(x+5), (x+5)2x, 2x*(x+5), (x+5)*2x, (2x)(x+5), (x+5)(2x), (2x)*(x+5), (x+5)*(2x), (2x^1-0)(x^1+5), (x^1+5)(2x^1-0), (2x^1-0)*(x^1+5), (x^1+5)*(2x^1-0), 2x^1(x^1+5), (x^1+5)2x^1, 2x^1*(x^1+5), (x^1+5)*2x^1, (2x^1)(x^1+5), (x^1+5)(2x^1), (2x^1)*(x^1+5), (x^1+5)*(2x^1), (2x-0)(1x+5), (1x+5)(2x-0), (2x-0)*(1x+5), (1x+5)*(2x-0), 2x(1x+5), (1x+5)2x, 2x*(1x+5), (1x+5)*2x, (2x)(1x+5), (1x+5)(2x), (2x)*(1x+5), (1x+5)*(2x), (2x^1-0)(1x^1+5), (1x^1+5)(2x^1-0), (2x^1-0)*(1x^1+5), (1x^1+5)*(2x^1-0), 2x^1(1x^1+5), (1x^1+5)2x^1, 2x^1*(1x^1+5), (1x^1+5)*2x^1, (2x^1)(1x^1+5), (1x^1+5)(2x^1), (2x^1)*(1x^1+5), (1x^1+5)*(2x^1)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.*

$2x^2 + 10x$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $2x(x + 5)$.

Question 17a of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485248)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (2x^2+1)(3x+4), (3x+4)(2x^2+1), (3x+4)*(2x^2+1), (2x^2+1)*(3x+4), (3x^1+4)(2x^2+1), (2x^2+1)(3x^1+4), (3x^1+4)*(2x^2+1), (2x^2+1)*(3x^1+4), (3x+4)(2x^2+1), (2x^2+1)(3x+4), (3x+4)*(2x^2+1), (2x^2+1)*(3x+4), (3x^1+4)(2x^2+1), (2x^2+1)(3x^1+4), (3x^1+4)*(2x^2+1), (2x^2+1)*(3x^1+4)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$2x^3 + 8x^2 + 3x + 4$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x^2 - 1)(2x - 4)$.

Question 17b of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485249)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (5x^2+4)(2x+1), (2x+1)(5x^2+4), (2x+1)*(5x^2+4), (5x^2+4)*(2x+1), (2x^1+1)(5x^2+4), (5x^2+4)(2x^1+1), (2x^1+1)*(5x^2+4), (5x^2+4)*(2x^1+1), (2x+1)(5x^2+4), (5x^2+4)(2x+1), (2x+1)*(5x^2+4), (5x^2+4)*(2x+1), (2x^1+1)(5x^2+4), (5x^2+4)(2x^1+1), (2x^1+1)*(5x^2+4), (5x^2+4)*(2x^1+1)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: .

Question 17c of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485250)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(4x^2+3)(7x+8), (7x+8)(4x^2+3), (7x+8)*(4x^2+3), (4x^2+3)*(7x+8), (7x^1+8)(4x^2+3), (4x^2+3)(7x^1+8), (7x^1+8)*(4x^2+3), (4x^2+3)*(7x^1+8), (7x+8)(4x^2+3), (4x^2+3)(7x+8), (7x+8)*(4x^2+3), (4x^2+3)*(7x+8), (7x^1+8)(4x^2+3), (4x^2+3)(7x^1+8), (7x^1+8)*(4x^2+3), (4x^2+3)*(7x^1+8)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$28x^3 + 32x^2 + 21x + 24$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(4x^2 + 3)(7x + 8)$.

Question 18a of 25 (3 Finding a Common Factor in Each Term of a Trinomial 90912)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	3x(x+4), (3x-0)(x+4), (x+4)(3x-0), (3x-0)*(x+4), (x+4)*(3x-0), 3x(x+4), (x+4)3x, 3x*(x+4), (x+4)*3x, (3x)(x+4), (x+4)(3x), (3x)*(x+4), (x+4)*(3x), (3x^1-0)(x^1+4), (x^1+4)(3x^1-0), (3x^1-0)*(x^1+4), (x^1+4)*(3x^1-0), 3x^1(x^1+4), (x^1+4)3x^1, 3x^1*(x^1+4), (x^1+4)*3x^1, (3x^1)(x^1+4), (x^1+4)(3x^1), (3x^1)*(x^1+4), (x^1+4)*(3x^1), (3x-0)(1x+4), (1x+4)(3x-0), (3x-0)*(1x+4), (1x+4)*(3x-0), 3x(1x+4), (1x+4)3x, 3x*(1x+4), (1x+4)*3x, (3x)(1x+4), (1x+4)(3x), (3x)*(1x+4), (1x+4)*(3x), (3x^1-0)(1x^1+4), (1x^1+4)(3x^1-0), (3x^1-0)*(1x^1+4), (1x^1+4)*(3x^1-0), 3x^1(1x^1+4), (1x^1+4)3x^1, 3x^1*(1x^1+4), (1x^1+4)*3x^1, (3x^1)(1x^1+4), (1x^1+4)(3x^1), (3x^1)*(1x^1+4), (1x^1+4)*(3x^1)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.*

$$3x^2 + 12x$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $3x(x + 4)$.

Question 18b of 25 (3 Finding a Common Factor in Each Term of a Trinomial 297813)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	3x(x+5), (3x-0)(x+5), (x+5)(3x-0), (3x-0)*(x+5), (x+5)*(3x-0), 3x(x+5), (x+5)3x, 3x*(x+5), (x+5)*3x, (3x)(x+5), (x+5)(3x), (3x)*(x+5), (x+5)*(3x), (3x^1-0)(x^1+5), (x^1+5)(3x^1-0), (3x^1-0)*(x^1+5), (x^1+5)*(3x^1-0), 3x^1(x^1+5), (x^1+5)3x^1, 3x^1*(x^1+5), (x^1+5)*3x^1, (3x^1)(x^1+5), (x^1+5)(3x^1), (3x^1)*(x^1+5), (x^1+5)*(3x^1), (3x-0)(1x+5), (1x+5)(3x-0), (3x-0)*(1x+5), (1x+5)*(3x-0), 3x(1x+5), (1x+5)3x, 3x*(1x+5), (1x+5)*3x, (3x)(1x+5), (1x+5)(3x), (3x)*(1x+5), (1x+5)*(3x), (3x^1-0)(1x^1+5), (1x^1+5)(3x^1-0), (3x^1-0)*(1x^1+5), (1x^1+5)*(3x^1-0), 3x^1(1x^1+5), (1x^1+5)3x^1, 3x^1*(1x^1+5), (1x^1+5)*3x^1, (3x^1)(1x^1+5), (1x^1+5)(3x^1), (3x^1)*(1x^1+5), (1x^1+5)*(3x^1)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* $3x^2 + 15x$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $3x(x + 5)$.

Question 18c of 25 (3 Finding a Common Factor in Each Term of a Trinomial 297814)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	3x(x+2), (3x-0)(x+2), (x+2)(3x-0), (3x-0)*(x+2), (x+2)*(3x-0), 3x(x+2), (x+2)3x, 3x*(x+2), (x+2)*3x, (3x)(x+2), (x+2)(3x), (3x)*(x+2), (x+2)*(3x), (3x^1-0)(x^1+2), (x^1+2)(3x^1-0), (3x^1-0)*(x^1+2), (x^1+2)*(3x^1-0), 3x^1(x^1+2), (x^1+2)3x^1, 3x^1*(x^1+2), (x^1+2)*3x^1, (3x^1)(x^1+2), (x^1+2)(3x^1), (3x^1)*(x^1+2), (x^1+2)*(3x^1), (3x-0)(1x+2), (1x+2)(3x-0), (3x-0)*(1x+2), (1x+2)*(3x-0), 3x(1x+2), (1x+2)3x, 3x*(1x+2), (1x+2)*3x, (3x)(1x+2), (1x+2)(3x), (3x)*(1x+2), (1x+2)*(3x), (3x^1-0)(1x^1+2), (1x^1+2)(3x^1-0), (3x^1-0)*(1x^1+2), (1x^1+2)*(3x^1-0), 3x^1(1x^1+2), (1x^1+2)3x^1, 3x^1*(1x^1+2), (1x^1+2)*3x^1, (3x^1)(1x^1+2), (1x^1+2)(3x^1), (3x^1)*(1x^1+2), (1x^1+2)*(3x^1)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* $3x^2 + 6x$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $3x(x + 2)$.

Question 19a of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485251)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	3x(7x+2), (3x)(7x+2), (7x+2)(3x), (7x+2)3x, 3x*(7x+2), (3x)*(7x+2), (7x+2)*(3x), (7x+2)*3x, 3x^1(7x^1+2), (3x^1)(7x^1+2), (7x^1+2)(3x^1), (7x^1+2)3x^1, 3x^1*(7x^1+2), (3x^1)*(7x^1+2), (7x^1+2)*(3x^1), (7x^1+2)*3x^1
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$21x^2 + 6x$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $3x(7x+2)$.

Question 19b of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485252)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	4x(5x+3), (4x)(5x+3), (5x+3)(4x), (5x+3)4x, 4x*(5x+3), (4x)*(5x+3), (5x+3)*(4x), (5x+3)*4x, 4x^1(5x^1+3), (4x^1)(5x^1+3), (5x^1+3)(4x^1), (5x^1+3)4x^1, 4x^1*(5x^1+3), (4x^1)*(5x^1+3), (5x^1+3)*(4x^1), (5x^1+3)*4x^1
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$20x^2 - 12x$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: .

Question 19c of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485253)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: 2x(7x+9), (2x)(7x+9), (7x+9)(2x), (7x+9)2x, 2x*(7x+9), (2x)*(7x+9), (7x+9)*(2x), (7x+9)*2x, 2x^1(7x^1+9), (2x^1)(7x^1+9), (7x^1+9)(2x^1), (7x^1+9)2x^1, 2x^1*(7x^1+9), (2x^1)*(7x^1+9), (7x^1+9)*(2x^1), (7x^1+9)*2x^1

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$14x^2 + 18x$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $2x(7x-9)$.

Question 20a of 25 (3 Finding a Common Factor in Each Term of a Trinomial 90913)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (3x^2+5)(x+2), (x+2)(3x^2+5), (x+2)*(3x^2+5), (3x^2+5)*(x+2), (x^1+2)(3x^2+5), (3x^2+5)(x^1+2), (x^1+2)*(3x^2+5), (3x^2+5)*(x^1+2), (1x+2)(3x^2+5), (3x^2+5)(1x+2), (1x+2)*(3x^2+5), (3x^2+5)*(1x+2), (1x^1+2)(3x^2+5), (3x^2+5)(1x^1+2), (1x^1+2)*(3x^2+5), (3x^2+5)*(1x^1+2)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$3x^3 + 6x^2 + 5x + 10$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(3x^2 + 5)(x + 2)$.

Question 20b of 25 (3 Finding a Common Factor in Each Term of a Trinomial 297815)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (3x^2+5)(x+3), (x+3)(3x^2+5), (x+3)*(3x^2+5), (3x^2+5)*(x+3), (x^1+3)(3x^2+5), (3x^2+5)(x^1+3), (x^1+3)*(3x^2+5), (3x^2+5)*(x^1+3), (1x+3)(3x^2+5), (3x^2+5)(1x+3), (1x+3)*(3x^2+5), (3x^2+5)*(1x+3), (1x^1+3)(3x^2+5), (3x^2+5)(1x^1+3), (1x^1+3)*(3x^2+5), (3x^2+5)*(1x^1+3)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$3x^3 + 9x^2 + 5x + 15$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(3x^2 + 5)(x + 3)$.

Question 20c of 25 (3 Finding a Common Factor in Each Term of a Trinomial 297816)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (3x^2+4)(x+3), (x+3)(3x^2+4), (x+3)*(3x^2+4), (3x^2+4)*(x+3), (x^1+3)(3x^2+4), (3x^2+4)(x^1+3), (x^1+3)*(3x^2+4), (3x^2+4)*(x^1+3), (1x+3)(3x^2+4), (3x^2+4)(1x+3), (1x+3)*(3x^2+4), (3x^2+4)*(1x+3), (1x^1+3)(3x^2+4), (3x^2+4)(1x^1+3), (1x^1+3)*(3x^2+4), (3x^2+4)*(1x^1+3)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$3x^3 + 9x^2 + 4x + 12$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(3x^2 + 4)(x +3)$.

Question 21a of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485254)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: 5x^2(2x+4), (5x^2)(2x+4), (2x+4)(5x^2), (2x+4)5x^2, 5x^2*(2x+4), (5x^2)*(2x+4), (2x+4)*(5x^2), (2x+4)*5x^2, 5x^2(2x^1+4), (5x^2)(2x^1+4), (2x^1+4)(5x^2), (2x^1+4)5x^2, 5x^2*(2x^1+4), (5x^2)*(2x^1+4), (2x^1+4)*(5x^2), (2x^1+4)*5x^2

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$10x^3 + 20x^2$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $5x^2(2x+4)$.

Question 21b of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485255)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: 4x^2(11x+9), (4x^2)(11x+9), (11x+9)(4x^2), (11x+9)4x^2, 4x^2*(11x+9), (4x^2)*(11x+9), (11x+9)*(4x^2), (11x+9)*4x^2, 4x^2(11x^1+9), (4x^2)(11x^1+9), (11x^1+9)(4x^2), (11x^1+9)4x^2, 4x^2*(11x^1+9), (4x^2)*(11x^1+9), (11x^1+9)*(4x^2), (11x^1+9)*4x^2

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$44x^3 - 36x^2$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: .

Question 21c of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485256)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: 3x^2(7x+1), (3x^2)(7x+1), (7x+1)(3x^2), (7x+1)3x^2, 3x^2*(7x+1), (3x^2)*(7x+1), (7x+1)*(3x^2), (7x+1)*3x^2, 3x^2(7x^1+1), (3x^2)(7x^1+1), (7x^1+1)(3x^2), (7x^1+1)3x^2, 3x^2*(7x^1+1), (3x^2)*(7x^1+1), (7x^1+1)*(3x^2), (7x^1+1)*3x^2

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$21x^3 + 7x^2$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $3x^2(7x + 1)$.

Question 22a of 25 (3 Finding a Common Factor in Each Term of a Trinomial 90914)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: (2x^2+7)(x+3), (x+3)(2x^2+7), (x+3)*(2x^2+7), (2x^2+7)*(x+3), (x^1+3)(2x^2+7), (2x^2+7)(x^1+3), (x^1+3)*(2x^2+7), (2x^2+7)*(x^1+3), (1x+3)(2x^2+7), (2x^2+7)(1x+3), (1x+3)*(2x^2+7), (2x^2+7)*(1x+3), (1x^1+3)(2x^2+7), (2x^2+7)(1x^1+3), (1x^1+3)*(2x^2+7), (2x^2+7)*(1x^1+3)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$2x^3 + 6x^2 + 7x + 21$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x^2 + 7)(x + 3)$.

Question 22b of 25 (3 Finding a Common Factor in Each Term of a Trinomial 297817)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(2x^2+7)(x+4), (x+4)(2x^2+7), (x+4)*(2x^2+7), (2x^2+7)*(x+4), (x^1+4)(2x^2+7), (2x^2+7)(x^1+4), (x^1+4)*(2x^2+7), (2x^2+7)*(x^1+4), (1x+4)(2x^2+7), (2x^2+7)(1x+4), (1x+4)*(2x^2+7), (2x^2+7)*(1x+4), (1x^1+4)(2x^2+7), (2x^2+7)(1x^1+4), (1x^1+4)*(2x^2+7), (2x^2+7)*(1x^1+4)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$2x^3 + 8x^2 + 7x + 28$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x^2 + 7)(x + 4)$.

Question 22c of 25 (3 Finding a Common Factor in Each Term of a Trinomial 297818)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(2x^2+5)(x+4), (x+4)(2x^2+5), (x+4)*(2x^2+5), (2x^2+5)*(x+4), (x^1+4)(2x^2+5), (2x^2+5)(x^1+4), (x^1+4)*(2x^2+5), (2x^2+5)*(x^1+4), (1x+4)(2x^2+5), (2x^2+5)(1x+4), (1x+4)*(2x^2+5), (2x^2+5)*(1x+4), (1x^1+4)(2x^2+5), (2x^2+5)(1x^1+4), (1x^1+4)*(2x^2+5), (2x^2+5)*(1x^1+4)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$2x^3 + 8x^2 + 5x + 20$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x^2 + 5)(x + 4)$.

Question 23a of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485257)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: x(2x+14), (x)(2x+14), (2x+14)(x), (2x+14)x, x*(2x+14), (x)*(2x+14), (2x+14)*(x), (2x+14)*x, x^1(2x^1+14), (x^1)(2x^1+14), (2x^1+14)(x^1), (2x^1+14)x^1, x^1*(2x^1+14), (x^1)*(2x^1+14), (2x^1+14)*(x^1), (2x^1+14)*x^1, 1x(2x+14), (1x)(2x+14), (2x+14)(1x), (2x+14)1x, 1x*(2x+14), (1x)*(2x+14), (2x+14)*(1x), (2x+14)*1x, 1x^1(2x^1+14), (1x^1)(2x^1+14), (2x^1+14)(1x^1), (2x^1+14)1x^1, 1x^1*(2x^1+14), (1x^1)*(2x^1+14), (2x^1+14)*(1x^1), (2x^1+14)*1x^1

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$2x^2 - 14x$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $x(2x+14)$.

Question 23b of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485258)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: x(11x+4), (x)(11x+4), (11x+4)(x), (11x+4)x, x*(11x+4), (x)*(11x+4), (11x+4)*(x), (11x+4)*x, x^1(11x^1+4), (x^1)(11x^1+4), (11x^1+4)(x^1), (11x^1+4)x^1, x^1*(11x^1+4), (x^1)*(11x^1+4), (11x^1+4)*(x^1), (11x^1+4)*x^1, 1x(11x+4), (1x)(11x+4), (11x+4)(1x), (11x+4)1x, 1x*(11x+4), (1x)*(11x+4), (11x+4)*(1x), (11x+4)*1x, 1x^1(11x^1+4), (1x^1)(11x^1+4), (11x^1+4)(1x^1), (11x^1+4)1x^1, 1x^1*(11x^1+4), (1x^1)*(11x^1+4), (11x^1+4)*(1x^1), (11x^1+4)*1x^1

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: .

Question 23c of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485259)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	x(3x+14), (x)(3x+14), (3x+14)(x), (3x+14)x, x*(3x+14), (x)*(3x+14), (3x+14)*(x), (3x+14)*x, x^1(3x^1+14), (x^1)(3x^1+14), (3x^1+14)(x^1), (3x^1+14)x^1, x^1*(3x^1+14), (x^1)*(3x^1+14), (3x^1+14)*(x^1), (3x^1+14)*x^1, 1x(3x+14), (1x)(3x+14), (3x+14)(1x), (3x+14)1x, 1x*(3x+14), (1x)*(3x+14), (3x+14)*(1x), (3x+14)*1x, 1x^1(3x^1+14), (1x^1)(3x^1+14), (3x^1+14)(1x^1), (3x^1+14)1x^1, 1x^1*(3x^1+14), (1x^1)*(3x^1+14), (3x^1+14)*(1x^1), (3x^1+14)*1x^1
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$3x^2 - 5x$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $x(3x + 5)$.

Question 24a of 25 (3 Finding a Common Factor in Each Term of a Trinomial 90977)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	2(x+2)(x+1), 2(x+1)(x+2), 2(1x+2)(1x+1), 2(1x+1)(1x+2), 2*(x+2)*(x+1), 2*(x+1)*(x+2), 2*(1x+2)*(1x+1), 2*(1x+1)*(1x+2), 2(x^1+2)(x^1+1), 2(x^1+1)(x^1+2), 2(1x^1+2)(1x^1+1), 2(1x^1+1)(1x^1+2), 2*(x^1+2)*(x^1+1), 2*(x^1+1)*(x^1+2), 2*(1x^1+2)*(1x^1+1), 2*(1x^1+1)*(1x^1+2), (2)(x+2)(x+1), (2)(x+1)(x+2), (2)(1x+2)(1x+1), (2)(1x+1)(1x+2), (2)*(x+2)*(x+1), (2)*(x+1)*(x+2), (2)*(1x+2)*(1x+1), (2)*(1x+1)*(1x+2), (2)(x^1+2)(x^1+1), (2)(x^1+1)(x^1+2), (2)(1x^1+2)(1x^1+1), (2)(1x^1+1)(1x^1+2), (2)*(x^1+2)*(x^1+1), (2)*(x^1+1)*(x^1+2), (2)*(1x^1+2)*(1x^1+1), (2)*(1x^1+1)*(1x^1+2), (x+2)2(x+1), (x+1)2(x+2), (1x+2)2(1x+1), (1x+1)2(1x+2), (x+2)*2*(x+1), (x+1)*2*(x+2), (1x+2)*2*(1x+1), (1x+1)*2*(1x+2), (x^1+2)2(x^1+1), (x^1+1)2(x^1+2), (1x^1+2)2(1x^1+1), (1x^1+1)2(1x^1+2), (x^1+2)*2*(x^1+1), (x^1+1)*2*(x^1+2), (1x^1+2)*2*(1x^1+1), (1x^1+1)*2*(1x^1+2), (x+2)(2)(x+1), (x+1)(2)(x+2), (1x+2)(2)(1x+1), (1x+1)(2)(1x+2), (x+2)*(2)*(x+1), (x+1)*(2)*(x+2), (1x+2)*(2)*(1x+1), (1x+1)*(2)*(1x+2), (x^1+2)(2)(x^1+1), (x^1+1)(2)(x^1+2), (1x^1+2)(2)(1x^1+1), (1x^1+1)(2)(1x^1+2), (x^1+2)*(2)*(x^1+1), (x^1+1)*(2)*(x^1+2), (1x^1+2)*(2)*(1x^1+1), (1x^1+1)*(2)*(1x^1+2), (x+2)(x+1)2, (x+1)(x+2)2, (1x+2)(1x+1)2, (1x+1)(1x+2)2, (x+2)*(x+1)*2, (x+1)*(x+2)*2, (1x+2)*(1x+1)*2, (1x+1)*(1x+2)*2, (x^1+2)(x^1+1)2, (x^1+1)(x^1+2)2, (1x^1+2)(1x^1+1)2, (1x^1+1)(1x^1+2)2, (x^1+2)*(x^1+1)*2, (x^1+1)*(x^1+2)*2, (1x^1+2)*(1x^1+1)*2, (1x^1+1)*(1x^1+2)*2, (x+2)(x+1)(2), (x+1)(x+2)(2), (1x+2)(1x+1)(2), (1x+1)(1x+2)(2), (x+2)*(x+1)*(2), (x+1)*(x+2)*(2), (1x+2)*(1x+1)*(2), (1x+1)*(1x+2)*(2), (x^1+2)(x^1+1)(2), (x^1+1)(x^1+2)(2), (1x^1+2)(1x^1+1)(2), (1x^1+1)(1x^1+2)(2), (x^1+2)*(x^1+1)*(2), (x^1+1)*(x^1+2)*(2), (1x^1+2)*(1x^1+1)*(2), (1x^1+1)*(1x^1+2)*(2)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.*

$2x^2 + 6x + 4$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 2(x + 2)(x + 1).

Question 24b of 25 (3 Finding a Common Factor in Each Term of a Trinomial 297825)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer: 2(x+3)(x+1), 2(x+1)(x+3), 2(1x+3)(1x+1), 2(1x+1)(1x+3), 2*(x+3)*(x+1), 2*(x+1)*(x+3), 2*(1x+3)*(1x+1), 2*(1x+1)*(1x+3), 2(x^1+3)(x^1+1), 2(x^1+1)(x^1+3), 2(1x^1+3)(1x^1+1), 2(1x^1+1)(1x^1+3), 2*(x^1+3)*(x^1+1), 2*(x^1+1)*(x^1+3), 2*(1x^1+3)*(1x^1+1), 2*(1x^1+1)*(1x^1+3), (2)(x+3)(x+1), (2)(x+1)(x+3), (2)(1x+3)(1x+1), (2)(1x+1)(1x+3), (2)*(x+3)*(x+1), (2)*(x+1)*(x+3), (2)*(1x+3)*(1x+1), (2)*(1x+1)*(1x+3), (2)(x^1+3)(x^1+1), (2)(x^1+1)(x^1+3), (2)(1x^1+3)(1x^1+1), (2)(1x^1+1)(1x^1+3), (2)*(x^1+3)*(x^1+1), (2)*(x^1+1)*(x^1+3), (2)*(1x^1+3)*(1x^1+1), (2)*(1x^1+1)*(1x^1+3), (x+3)2(x+1), (x+1)2(x+3), (1x+3)2(1x+1), (1x+1)2(1x+3), (x+3)*2*(x+1), (x+1)*2*(x+3), (1x+3)*2*(1x+1), (1x+1)*2*(1x+3), (x^1+3)2(x^1+1), (x^1+1)2(x^1+3), (1x^1+3)2(1x^1+1), (1x^1+1)2(1x^1+3), (x^1+3)*2*(x^1+1), (x^1+1)*2*(x^1+3), (1x^1+3)*2*(1x^1+1), (1x^1+1)*2*(1x^1+3), (x+3)(2)(x+1), (x+1)(2)(x+3), (1x+3)(2)(1x+1), (1x+1)(2)(1x+3), (x+3)*(2)*(x+1), (x+1)*(2)*(x+3), (1x+3)*(2)*(1x+1), (1x+1)*(2)*(1x+3), (x^1+3)(2)(x^1+1), (x^1+1)(2)(x^1+3), (1x^1+3)(2)(1x^1+1), (1x^1+1)(2)(1x^1+3), (x^1+3)*(2)*(x^1+1), (x^1+1)*(2)*(x^1+3), (1x^1+3)*(2)*(1x^1+1), (1x^1+1)*(2)*(1x^1+3), (x+3)(x+1)2, (x+1)(x+3)2, (1x+3)(1x+1)2, (1x+1)(1x+3)2, (x+3)*(x+1)*2, (x+1)*(x+3)*2, (1x+3)*(1x+1)*2, (1x+1)*(1x+3)*2, (x^1+3)(x^1+1)2, (x^1+1)(x^1+3)2, (1x^1+3)(1x^1+1)2, (1x^1+1)(1x^1+3)2, (x^1+3)*(x^1+1)*2, (x^1+1)*(x^1+3)*2, (1x^1+3)*(1x^1+1)*2, (1x^1+1)*(1x^1+3)*2, (x+3)(x+1)(2), (x+1)(x+3)(2), (1x+3)(1x+1)(2), (1x+1)(1x+3)(2), (x+3)*(x+1)*(2), (x+1)*(x+3)*(2), (1x+3)*(1x+1)*(2), (1x+1)*(1x+3)*(2), (x^1+3)(x^1+1)(2), (x^1+1)(x^1+3)(2), (1x^1+3)(1x^1+1)(2), (1x^1+1)(1x^1+3)(2), (x^1+3)*(x^1+1)*(2), (x^1+1)*(x^1+3)*(2), (1x^1+3)*(1x^1+1)*(2), (1x^1+1)*(1x^1+3)*(2)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.*

$2x^2 + 8x + 6$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 2(x + 3)(x + 1).

Question 24c of 25 (3 Finding a Common Factor in Each Term of a Trinomial 297826)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer:
2(x+4)(x+1), 2(x+1)(x+4), 2(1x+4)(1x+1), 2(1x+1)(1x+4), 2*(x+4)*(x+1), 2*(x+1)*(x+4), 2*(1x+4)*(1x+1), 2*(1x+1)*(1x+4), 2(x^1+4)(x^1+1), 2(x^1+1)(x^1+4), 2(1x^1+4)(1x^1+1), 2(1x^1+1)(1x^1+4), 2*(x^1+4)*(x^1+1), 2*(x^1+1)*(x^1+4), 2*(1x^1+4)*(1x^1+1), 2*(1x^1+1)*(1x^1+4), (2)(x+4)(x+1), (2)(x+1)(x+4), (2)(1x+4)(1x+1), (2)(1x+1)(1x+4), (2)*(x+4)*(x+1), (2)*(x+1)*(x+4), (2)*(1x+4)*(1x+1), (2)*(1x+1)*(1x+4), (2)(x^1+4)(x^1+1), (2)(x^1+1)(x^1+4), (2)(1x^1+4)(1x^1+1), (2)(1x^1+1)(1x^1+4), (2)*(x^1+4)*(x^1+1), (2)*(x^1+1)*(x^1+4), (2)*(1x^1+4)*(1x^1+1), (2)*(1x^1+1)*(1x^1+4), (x+4)2(x+1), (x+1)2(x+4), (1x+4)2(1x+1), (1x+1)2(1x+4), (x+4)*2*(x+1), (x+1)*2*(x+4), (1x+4)*2*(1x+1), (1x+1)*2*(1x+4), (x^1+4)2(x^1+1), (x^1+1)2(x^1+4), (1x^1+4)2(1x^1+1), (1x^1+1)2(1x^1+4), (x^1+4)*2*(x^1+1), (x^1+1)*2*(x^1+4), (1x^1+4)*2*(1x^1+1), (1x^1+1)*2*(1x^1+4), (x+4)(2)(x+1), (x+1)(2)(x+4), (1x+4)(2)(1x+1), (1x+1)(2)(1x+4), (x+4)*(2)*(x+1), (x+1)*(2)*(x+4), (1x+4)*(2)*(1x+1), (1x+1)*(2)*(1x+4), (x^1+4)(2)(x^1+1), (x^1+1)(2)(x^1+4), (1x^1+4)(2)(1x^1+1), (1x^1+1)(2)(1x^1+4), (x^1+4)*(2)*(x^1+1), (x^1+1)*(2)*(x^1+4), (1x^1+4)*(2)*(1x^1+1), (1x^1+1)*(2)*(1x^1+4), (x+4)(x+1)2, (x+1)(x+4)2, (1x+4)(1x+1)2, (1x+1)(1x+4)2, (x+4)*(x+1)*2, (x+1)*(x+4)*2, (1x+4)*(1x+1)*2, (1x+1)*(1x+4)*2, (x^1+4)(x^1+1)2, (x^1+1)(x^1+4)2, (1x^1+4)(1x^1+1)2, (1x^1+1)(1x^1+4)2, (x^1+4)*(x^1+1)*2, (x^1+1)*(x^1+4)*2, (1x^1+4)*(1x^1+1)*2, (1x^1+1)*(1x^1+4)*2, (x+4)(x+1)(2), (x+1)(x+4)(2), (1x+4)(1x+1)(2), (1x+1)(1x+4)(2), (x+4)*(x+1)*(2), (x+1)*(x+4)*(2), (1x+4)*(1x+1)*(2), (1x+1)*(1x+4)*(2), (x^1+4)(x^1+1)(2), (x^1+1)(x^1+4)(2), (1x^1+4)(1x^1+1)(2), (1x^1+1)(1x^1+4)(2), (x^1+4)*(x^1+1)*(2), (x^1+1)*(x^1+4)*(2), (1x^1+4)*(1x^1+1)*(2), (1x^1+1)*(1x^1+4)*(2)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.*

$$2x^2 + 10x + 8$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $2(x + 4)(x + 1)$.

Question 25a of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485260)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 3

Is Case Sensitive: false

Correct Answer:
(3x^2+1)(3x+5), (3x+5)(3x^2+1), (3x+5)*(3x^2+1), (3x^2+1)*(3x+5), (3x^1+5)(3x^2+1), (3x^2+1)(3x^1+5), (3x^1+5)*(3x^2+1), (3x^2+1)*(3x^1+5), (3x+5)(3x^2+1), (3x^2+1)(3x+5), (3x+5)*(3x^2+1), (3x^2+1)*(3x+5), (3x^1+5)(3x^2+1), (3x^2+1)(3x^1+5), (3x^1+5)*(3x^2+1), (3x^2+1)*(3x^1+5)

Question: Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer: $[3x^2 + 1](3x + 5)$.

Question 25b of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485261)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(2x^2+1)(2x+5), (2x+5)(2x^2+1), (2x+5)*(2x^2+1), (2x^2+1)*(2x+5), (2x^1+5)(2x^2+1), (2x^2+1)(2x^1+5), (2x^1+5)*(2x^2+1), (2x^2+1)*(2x^1+5), (2x+5)(2x^2+1), (2x^2+1)(2x+5), (2x+5)*(2x^2+1), (2x^2+1)*(2x+5), (2x^1+5)(2x^2+1), (2x^2+1)(2x^1+5), (2x^1+5)*(2x^2+1), (2x^2+1)*(2x^1+5)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$4x^3 + 10x^2 \ldots + 5$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $[2x^2 - 1](2x - 5)$.

Question 25c of 25 (3 Finding a Common Factor in Each Term of a Trinomial 485262)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	3
Is Case Sensitive:	false
Correct Answer:	(4x^2+1)(4x+5), (4x+5)(4x^2+1), (4x+5)*(4x^2+1), (4x^2+1)*(4x+5), (4x^1+5)(4x^2+1), (4x^2+1)(4x^1+5), (4x^1+5)*(4x^2+1), (4x^2+1)*(4x^1+5), (4x+5)(4x^2+1), (4x^2+1)(4x+5), (4x+5)*(4x^2+1), (4x^2+1)*(4x+5), (4x^1+5)(4x^2+1), (4x^2+1)(4x^1+5), (4x^1+5)*(4x^2+1), (4x^2+1)*(4x^1+5)
Question:	Factor the polynomial expression. *Write each factor as a polynomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: .