

Quiz: Factoring Trinomials (Basic)

Question 1a of 15 (3 Finding Common Factors in Each Term of A Trinomial 144485)**Maximum Attempts:** 1**Question Type:** Multiple Choice**Maximum Score:** 2**Question:** What is the factorization of the polynomial below?

$$2x^2 + 24x + 72$$

	Choice	Feedback
A.	$(2x + 6)(x + 6)$	
*B.	$2(x + 6)(x + 6)$	
C.	$(x + 6)(x + 12)$	
D.	$(x + 2)(x + 6)$	

Global Incorrect FeedbackThe correct answer is: $2(x + 6)(x + 6)$.**Question 1b of 15** (3 Finding Common Factors in Each Term of A Trinomial 296377)**Maximum Attempts:** 1**Question Type:** Multiple Choice**Maximum Score:** 2**Question:** What is the factorization of the polynomial below?

$$2x^2 + 20x + 50$$

	Choice	Feedback
*A.	$2(x + 5)(x + 5)$	
B.	$(2x + 5)(x + 5)$	
C.	$(x + 5)(x + 10)$	
D.	$(x + 2)(x + 5)$	

Global Incorrect FeedbackThe correct answer is: $2(x + 5)(x + 5)$.**Question 1c of 15** (3 Finding Common Factors in Each Term of A Trinomial 296383)**Maximum Attempts:** 1**Question Type:** Multiple Choice**Maximum Score:** 2**Question:** What is the factorization of the polynomial below?

$$2x^2 + 28x + 98$$

Alg

	Choice	Feedback
A.	$(2x + 7)(x + 7)$	
B.	$(x + 7)(x + 14)$	
*C.	$2(x + 7)(x + 7)$	
D.	$(x + 7)(x + 2)$	

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

Question 2a of 15 (3 Finding Common Factors in Each Term of A Trinomial 144486)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$3x^2 + 33x + 54$$

	Choice	Feedback
A.	$(3x + 2)(x + 9)$	
B.	$(x + 3)(x + 9)$	
C.	$(x + 2)(x + 27)$	
*D.	$3(x + 2)(x + 9)$	

Global Incorrect Feedback
The correct answer is: $3(x + 2)(x + 9)$.

Question 2b of 15 (3 Finding Common Factors in Each Term of A Trinomial 296384)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$3x^2 + 30x + 48$$

	Choice	Feedback
*A.	$3(x + 2)(x + 8)$	
B.	$(x + 2)(x + 8)$	
C.	$(x + 2)(x + 24)$	
D.	$(3x + 2)(x + 8)$	

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

Alg

Question 2c of 15 (3 Finding Common Factors in Each Term of A Trinomial 296385)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the factorization of the polynomial below?

$$3x^2 + 36x + 81$$

	Choice	Feedback
A.	$(3x + 3)(x + 9)$	
*B.	$3(x + 3)(x + 9)$	
C.	$(x + 2)(x + 27)$	
D.	$(x + 3)(3x + 9)$	

Global Incorrect Feedback
The correct answer is: $3(x + 3)(x + 9)$.

Question 3a of 15 (3 Finding Common Factors in Each Term of A Trinomial 144487)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the factorization of the polynomial below?

$$-x^2 - 14x - 48$$

	Choice	Feedback
A.	$(x + 6)(x + 8)$	
B.	$(-x + 8)(x - 6)$	
C.	$(-x + 6)(x + 8)$	
*D.	$-1(x + 8)(x + 6)$	

Global Incorrect Feedback
The correct answer is: $-1(x + 8)(x + 6)$.

Question 3b of 15 (3 Finding Common Factors in Each Term of A Trinomial 296573)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the factorization of the polynomial below?

$$-x^2 - 15x - 56$$

	Choice	Feedback
A.	$(x + 8)(x + 7)$	
B.	$(-x + 8)(x - 7)$	
*C.	$-1(x + 8)(x + 7)$	
D.	$(x + 8)(x - 7)$	

Global Incorrect Feedback

The correct answer is: $-1(x + 8)(x + 7)$.

Question 3c of 15 (3 Finding Common Factors in Each Term of A Trinomial 296574)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$-x^2 - 15x - 54$$

	Choice	Feedback
*A.	$-1(x + 9)(x + 6)$	
B.	$(x + 9)(x + 6)$	
C.	$(x - 9)(x + 6)$	
D.	$(x + 9)(x - 6)$	

Global Incorrect Feedback

The correct answer is: $-1(x + 9)(x + 6)$.

Question 4a of 15 (3 Finding Common Factors in Each Term of A Trinomial 144488)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$x^3 + 2x^2 - 35x$$

	Choice	Feedback
A.	$(x^2 - 7)(x + 5)$	
B.	$(x - 7)(x + 5)$	
C.	$x(x - 7)(x + 5)$	
*D.	$x(x + 7)(x - 5)$	

Global Incorrect Feedback

The correct answer is: $x(x + 7)(x - 5)$.

Question 4b of 15 (3 Finding Common Factors in Each Term of A Trinomial 296577)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$x^3 + 3x^2 - 40x$$

Alg

	Choice	Feedback
A.	$(x^2 - 8)(x + 5)$	
B.	$(x - 8)(x + 5)$	
*C.	$x(x + 8)(x - 5)$	
D.	$(x + 8)(x - 5)$	

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

Question 4c of 15 (3 Finding Common Factors in Each Term of A Trinomial 296578)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$x^3 + 3x^2 - 28x$$

	Choice	Feedback
A.	$(x^2 - 7)(x + 4)$	
*B.	$x(x + 7)(x - 4)$	
C.	$x(x - 7)(x + 4)$	
D.	$(x - 7)(x + 4)$	

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

Question 5a of 15 (3 Finding Common Factors in Each Term of A Trinomial 144489)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$-x^2 - 14x - 45$$

	Choice	Feedback
A.	$(-x + 9)(x + 5)$	
*B.	$-1(x + 5)(x + 9)$	
C.	$(x + 9)(x - 5)$	
D.	$(-x + 5)(x - 9)$	

Global Incorrect Feedback
The correct answer is: $-1(x + 5)(x + 9)$.

Alg

Question 5b of 15 (3 Finding Common Factors in Each Term of A Trinomial 296579)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$-x^2 - 13x - 40$$

	Choice	Feedback
A.	$(-x + 5)(x - 8)$	
B.	$(-x + 8)(x + 5)$	
C.	$(x + 8)(x - 5)$	
*D.	$-1(x + 5)(x + 8)$	

Global Incorrect Feedback

The correct answer is: $-1(x + 5)(x + 8)$.

Question 5c of 15 (3 Finding Common Factors in Each Term of A Trinomial 296580)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$-x^2 - 11x - 30$$

	Choice	Feedback
*A.	$-1(x + 5)(x + 6)$	
B.	$(-x + 5)(x + 6)$	
C.	$(-x - 5)(x + 6)$	
D.	$(x - 5)(x - 6)$	

Global Incorrect Feedback

The correct answer is: $-1(x + 5)(x + 6)$.

Question 6a of 15 (3 Finding Common Factors in Each Term of A Trinomial 144490)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$x^3 - 4x^2 - 45x$$

	Choice	Feedback
A.	$(x^2 - 9)(x + 5)$	
B.	$x(x + 9)(x - 5)$	
*C.	$x(x - 9)(x + 5)$	
D.	$(x - 9)(x + 5)$	

Global Incorrect Feedback

The correct answer is: $x(x - 9)(x + 5)$.

Question 6b of 15 (3 Finding Common Factors in Each Term of A Trinomial 296581)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$x^3 - 2x^2 - 35x$$

	Choice	Feedback
*A.	$x(x - 7)(x + 5)$	
B.	$(x - 7)(x + 5)$	
C.	$x(x + 7)(x - 5)$	
D.	$(x^2 - 7)(x + 5)$	

Global Incorrect Feedback

The correct answer is: $x(x - 7)(x + 5)$.

Question 6c of 15 (3 Finding Common Factors in Each Term of A Trinomial 296582)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$x^3 - 3x^2 - 54x$$

	Choice	Feedback
A.	$(x - 9)(x + 6)$	
B.	$x(x + 9)(x + 6)$	
*C.	$x(x - 9)(x + 6)$	
D.	$(x^2 - 9)(x + 6)$	

Global Incorrect Feedback

The correct answer is: $x(x - 9)(x + 6)$.

Question 7a of 15 (3 Finding Common Factors in Each Term of A Trinomial 144491)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$3x^3 - 9x^2 - 84x$$

Alg

	Choice	Feedback
*A.	$3x(x - 7)(x + 4)$	
B.	$3x(x + 7)(x - 4)$	
C.	$3(x - 7)(x + 4)$	
D.	$3(x^2 - 7)(x + 4)$	

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

Question 7b of 15 (3 Finding Common Factors in Each Term of A Trinomial 296583)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$3x^3 - 12x^2 - 96x$$

	Choice	Feedback
A.	$3(x^2 - 8)(x + 4)$	
*B.	$3x(x - 8)(x + 4)$	
C.	$3(x - 8)(x + 4)$	
D.	$3x(x + 8)(x + 4)$	

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

Question 7c of 15 (3 Finding Common Factors in Each Term of A Trinomial 296584)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$2x^3 - 6x^2 - 56x$$

	Choice	Feedback
A.	$2x(x + 7)(x - 4)$	
*B.	$2x(x - 7)(x + 4)$	
C.	$2(x - 7)(x + 4)$	
D.	$2(x^2 + 7)(x + 4)$	

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

Alg

Question 8a of 15 (3 Finding Common Factors in Each Term of A Trinomial 144492)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$-2x^3 + 10x^2 + 28x$$

	Choice	Feedback
A.	$2(x^2 - 7)(x + 2)$	
*B.	$-2x(x - 7)(x + 2)$	
C.	$2(x + 7)(x + 2)$	
D.	$-2x(x + 7)(x - 2)$	

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

Question 8b of 15 (3 Finding Common Factors in Each Term of A Trinomial 296585)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$-3x^3 + 15x^2 + 42x$$

	Choice	Feedback
A.	$3(x + 7)(x + 2)$	
B.	$3(x^2 - 7)(x + 2)$	
*C.	$-3x(x - 7)(x + 2)$	
D.	$-3x(x + 7)(x - 2)$	

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

Question 8c of 15 (3 Finding Common Factors in Each Term of A Trinomial 296586)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the factorization of the polynomial below?

$$-2x^3 + 12x^2 + 32x$$

	Choice	Feedback
*A.	$-2x(x - 8)(x + 2)$	
B.	$-2x(x + 8)(x + 2)$	
C.	$-2(x - 8)(x + 2)$	
D.	$-2(x^2 - 8)(x + 2)$	

Global Incorrect Feedback
The correct answer is: $-2x(x - 8)(x + 2)$.

Question 9a of 15 (3 Finding Factors of a Trinomial By Factoring Constant 120785)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

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: Factor the trinomial and enter your answer below. Write each factor as a polynomial in descending order.

$$x^2 + 7x + 10$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(x + 2)(x + 5)$.

Question 9b of 15 (3 Finding Factors of a Trinomial By Factoring Constant 296587)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

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: Factor the trinomial and enter your answer below. Write each factor as a polynomial in descending order.

$$x^2 + 8x + 15$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(x + 3)(x + 5)$.

Alg

Question 9c of 15 (3 Finding Factors of a Trinomial By Factoring Constant 296588)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

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: Factor the trinomial and enter your answer below. Write each factor as a polynomial in descending order.

$$x^2 + 8x + 12$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 10a of 15 (3 Finding a Common Factor in Each Factor of a Trinomial 120775)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: common

Question: In factoring a trinomial with a leading coefficient other than 1, the first step is to look for a _____ factor in each term and factor it out.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: common.

Question 10b of 15 (3 Finding a Common Factor in Each Factor of a Trinomial 296589)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: factor

Question: In factoring a trinomial with a leading coefficient other than 1, the first step is to look for a common _____ in each term and factor it out.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: factor.

Question 10c of 15 (3 Finding a Common Factor in Each Factor of a Trinomial 296590)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: common
Question: In factoring a trinomial with a leading coefficient other than 1, the first step is to look for a _____ factor in each term and factor it out.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: common.

Question 11a of 15 (1 Finding Common Factors in Each Term of a Trinomial 120776)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: pairs, pair, pairing, pairings, pares
Question: To find the values of p , q , r , and s , you should start by finding all factor _____ of the leading coefficient and constant term. Then try them to determine which ones give you the correct product.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: pairs.

Question 11b of 15 (1 Finding Common Factors in Each Term of a Trinomial 296591)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: pairs, pares
Question: To find the values of p , q , r , and s , you should start by finding all factor _____ of the leading coefficient and constant term. Then try them to see which ones give you the correct product.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: pairs.

Question 11c of 15 (1 Finding Common Factors in Each Term of a Trinomial 296592)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: pairs, pares
Question: To find the values of p , q , r , and s , you should start by finding all factor _____ of the leading coefficient and constant term. Then try them to see which ones give you the correct product.

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: pairs.

Question 12a of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 120777)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: $(2x+5)(x+1)$, $(x+1)(2x+5)$, $(2x+5)*(x+1)$, $(x+1)*(2x+5)$, $(2x+5)(1x+1)$, $(1x+1)(2x+5)$, $(2x+5)*(1x+1)$, $(1x+1)*(2x+5)$, $(2x^1+5)(x^1+1)$, $(x^1+1)(2x^1+5)$, $(2x^1+5)*(x^1+1)$, $(x^1+1)*(2x^1+5)$, $(2x^1+5)(1x^1+1)$, $(1x^1+1)(2x^1+5)$, $(2x^1+5)*(1x^1+1)$, $(1x^1+1)*(2x^1+5)$
Question: Factor the trinomial and enter your answer below. *Write each factor as a polynomial in descending order.*

$$2x^2 + 7x + 5$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(2x + 5)(x + 1)$.

Question 12b of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 296593)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
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: Factor the trinomial and enter your answer in the box below. *Write each factor as a polynomial in descending order.*

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

Alg

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

Question 12c of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 296594)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

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

Question: Factor the trinomial and enter your answer in the box below. *Write each factor as a polynomial in descending order.*

$$2x^2 + 9x + 7$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(2x + 7)(x + 1)$.

Question 13a of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 120778)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(2x + 5)(6x - 5)$, $(6x-5)(2x+5)$, $(2x+5)*(6x-5)$, $(6x-5)*(2x+5)$, $(2x^1+5)(6x^1-5)$, $(6x^1-5)(2x^1+5)$, $(2x^1+5)*(6x^1-5)$, $(6x^1-5)*(2x^1+5)$

Question: Factor the trinomial and enter your answer below. *Write each factor as a polynomial in descending order.*

$$12x^2 + 20x - 25$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(2x + 5)(6x - 5)$.

Alg

Question 13b of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 296595)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(2x+5)(8x-5)$, $(8x-5)(2x+5)$, $(2x+5)*(8x-5)$, $(8x-5)*(2x+5)$, $(2x^1+5)(8x^1-5)$, $(8x^1-5)(2x^1+5)$, $(2x^1+5)*(8x^1-5)$, $(8x^1-5)*(2x^1+5)$

Question: Factor the trinomial and enter your answer in the box below. *Write each factor as a polynomial in descending order.*

$$16x^2 + 30x - 25$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x + 5)(8x - 5)$.

Question 13c of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 296596)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

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

Question: Factor the trinomial and enter your answer in the box below. *Write each factor as a polynomial in descending order.*

$$8x^2 + 10x - 25$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 14a of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 120782)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(5x - 6)(x - 2)$, $(x-2)(5x-6)$, $(5x-6)*(x-2)$, $(x-2)*(5x-6)$, $(5x-6)(1x-2)$, $(1x-2)(5x-6)$, $(5x-6)*(1x-2)$, $(1x-2)*(5x-6)$, $(5x^1-6)(x^1-2)$, $(x^1-2)(5x^1-6)$, $(5x^1-6)*(x^1-2)$, $(x^1-2)*(5x^1-6)$, $(5x^1-6)(1x^1-2)$, $(1x^1-2)(5x^1-6)$, $(5x^1-6)*(1x^1-2)$, $(1x^1-2)*(5x^1-6)$

Question: Factor the trinomial and enter your answer below. Write each factor as a polynomial in descending order.

$$5x^2 - 16x + 12$$

Attempt	Incorrect Feedback
1st	

Alg

	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(5x - 6)(x - 2)$.

Question 14b of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 296598)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(5x-6)(x-3), (x-3)(5x-6), (5x-6)*(x-3), (x-3)*(5x-6), (5x-6)(1x-3), (1x-3)(5x-6), (5x-6)*(1x-3), (1x-3)*(5x-6), (5x^1-6)(x^1-3), (x^1-3)(5x^1-6), (5x^1-6)*(x^1-3), (x^1-3)*(5x^1-6), (5x^1-6)(1x^1-3), (1x^1-3)(5x^1-6), (5x^1-6)*(1x^1-3), (1x^1-3)*(5x^1-6)$

Question: Factor the trinomial and enter your answer in the box below. *Write each factor as a polynomial in descending order.*

$$5x^2 - 21x + 18$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(5x - 6)(x - 3)$.

Question 14c of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 296599)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(5x-4)(x-3), (x-3)(5x-4), (5x-4)*(x-3), (x-3)*(5x-4), (5x-4)(1x-3), (1x-3)(5x-4), (5x-4)*(1x-3), (1x-3)*(5x-4), (5x^1-4)(x^1-3), (x^1-3)(5x^1-4), (5x^1-4)*(x^1-3), (x^1-3)*(5x^1-4), (5x^1-4)(1x^1-3), (1x^1-3)(5x^1-4), (5x^1-4)*(1x^1-3), (1x^1-3)*(5x^1-4)$

Question: Factor the trinomial and enter your answer in the box below. *Write each factor as a polynomial in descending order.*

$$5x^2 - 19x + 12$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(5x - 4)(x - 3)$.

Alg

Question 15a of 15 (1 Factoring a Trinomial's Leading Coefficient and Constant 120783)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

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

Question: Factor the trinomial and enter your answer in the box below. *Write each factor as a polynomial in descending order.*

$$2x^2 + 3x - 14$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 15b of 15 (1 Factoring a Trinomial's Leading Coefficient and Constant 296600)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(3x+8)(x-3)$, $(x-3)(3x+8)$, $(3x+8)*(x-3)$, $(x-3)*(3x+8)$, $(3x+8)(1x-3)$, $(1x-3)(3x+8)$, $(3x+8)*(1x-3)$, $(1x-3)*(3x+8)$, $(3x^1+8)(x^1-3)$, $(x^1-3)(3x^1+8)$, $(3x^1+8)*(x^1-3)$, $(x^1-3)*(3x^1+8)$, $(3x^1+8)(1x^1-3)$, $(1x^1-3)(3x^1+8)$, $(3x^1+8)*(1x^1-3)$, $(1x^1-3)*(3x^1+8)$

Question: Factor the trinomial and enter your answer in the box below. *Write each factor as a polynomial in descending order.*

$$3x^2 - x - 24$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(3x + 8)(x - 3)$.

Question 15c of 15 (1 Factoring a Trinomial's Leading Coefficient and Constant 296601)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

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

Question: Factor the trinomial and enter your answer in the box below. *Write each factor as a polynomial in descending order.*

$$2x^2 + 5x - 18$$

Alg

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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