

Quiz: Binomial Factors of Trinomials

**Question 1a of 15** ( 2 Discovering how to factor a trinomial by factoring its constant 144514 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

$$x^2 + 6x + 8$$

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

**Global Incorrect Feedback**

The correct answer is:  $x + 4$ .

**Question 1b of 15** ( 2 Discovering how to factor a trinomial by factoring its constant 294979 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

$$x^2 + 6x + 8$$

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

**Global Incorrect Feedback**

The correct answer is:  $x + 2$ .

**Question 1c of 15** ( 2 Discovering how to factor a trinomial by factoring its constant 294980 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

$$x^2 + 8x + 16$$

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

**Global Incorrect Feedback**

The correct answer is:  $x + 4$ .

**Question 2a of 15** ( 2 Determining the signs for the factors by the sign of the x-term 144515 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2  
**Question:** Which of the binomials below is a factor of this trinomial?

$$x^2 + 19x + 84$$

	Choice	Feedback
A.	$x + 84$	
B.	$x^2 + 12$	
*C.	$x + 7$	
D.	$x - 7$	

<b>Global Incorrect Feedback</b>
The correct answer is: $x + 7$ .

**Question 2b of 15** ( 2 Determining the signs for the factors by the sign of the x-term 294981 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2  
**Question:** Which of the binomials below is a factor of this trinomial?

$$x^2 + 19x + 84$$

	Choice	Feedback
A.	$x + 84$	
B.	$x^2 + 12$	
C.	$x - 12$	
*D.	$x + 12$	

<b>Global Incorrect Feedback</b>
The correct answer is: $x + 12$ .

**Question 2c of 15** ( 2 Determining the signs for the factors by the sign of the x-term 294982 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2  
**Question:** Which of the binomials below is a factor of this trinomial?

$$x^2 + 20x + 96$$

	Choice	Feedback
A.	$x + 96$	
*B.	$x + 8$	
C.	$x^2 + 8$	
D.	$x - 8$	

<b>Global Incorrect Feedback</b>
The correct answer is: $x + 8$ .

Alg

### Question 3a of 15 ( 1 144516 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

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

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

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

### Question 3b of 15 ( 1 294983 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

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

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

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

### Question 3c of 15 ( 1 294984 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

$$x^2 + 4x - 32$$

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

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

Alg

### Question 4a of 15 ( 1 144517 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

$$x^2 + 4x - 60$$

	Choice	Feedback
A.	$x + 6$	
B.	$x - 10$	
C.	$x^2 + 10$	
*D.	$x + 10$	

#### Global Incorrect Feedback

The correct answer is:  $x + 10$ .

### Question 4b of 15 ( 1 294985 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

$$x^2 + 4x - 60$$

	Choice	Feedback
*A.	$x - 6$	
B.	$x - 10$	
C.	$x^2 - 6$	
D.	$x + 6$	

#### Global Incorrect Feedback

The correct answer is:  $x - 6$ .

### Question 4c of 15 ( 1 294986 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

$$x^2 + 5x - 66$$

	Choice	Feedback
A.	$x + 6$	
*B.	$x + 11$	
C.	$x + 6^2 + 11$	
D.	$x - 11$	

#### Global Incorrect Feedback

The correct answer is:  $x + 11$ .

Alg

### Question 5a of 15 ( 1 144518 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

$$x^2 + 7x - 60$$

	Choice	Feedback
A.	$x^2 + 12$	
B.	$x - 12$	
C.	$x + 5$	
*D.	$x - 5$	

#### Global Incorrect Feedback

The correct answer is:  $x - 5$ .

### Question 5b of 15 ( 1 294987 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

$$x^2 + 7x - 60$$

	Choice	Feedback
A.	$x^2 - 5$	
B.	$x - 12$	
*C.	$x + 12$	
D.	$x + 5$	

#### Global Incorrect Feedback

The correct answer is:  $x + 12$ .

### Question 5c of 15 ( 1 294988 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

$$x^2 + 6x - 72$$

	Choice	Feedback
*A.	$x + 12$	
B.	$x - 12$	
C.	$x + 6$	
D.	$x^2 + 12$	

#### Global Incorrect Feedback

The correct answer is:  $x + 12$ .

Alg

### Question 6a of 15 ( 1 144519 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

$$x^2 + 4x - 12$$

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

#### Global Incorrect Feedback

The correct answer is:  $x + 6$ .

### Question 6b of 15 ( 1 294989 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

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

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

#### Global Incorrect Feedback

The correct answer is:  $x + 5$ .

### Question 6c of 15 ( 1 294990 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

$$x^2 + 3x - 18$$

	Choice	Feedback
*A.	$x + 6$	
B.	$x^2 + 6$	
C.	$x - 6$	
D.	$x + 3$	

#### Global Incorrect Feedback

The correct answer is:  $x + 6$ .

Alg

### Question 7a of 15 ( 1 144520 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

$$x^2 + 2x - 24$$

	Choice	Feedback
*A.	$x + 6$	
B.	$x + 4$	
C.	$x - 6$	
D.	$x^2 + 6$	

#### Global Incorrect Feedback

The correct answer is:  $x + 6$ .

### Question 7b of 15 ( 1 294991 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

$$x^2 + x - 20$$

	Choice	Feedback
A.	$x + 4$	
*B.	$x - 4$	
C.	$x - 5$	
D.	$x^2 + 4$	

#### Global Incorrect Feedback

The correct answer is:  $x - 4$ .

### Question 7c of 15 ( 1 294992 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the binomials below is a factor of this trinomial?

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

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

#### Global Incorrect Feedback

The correct answer is:  $x + 7$ .

Alg

### Question 8a of 15 ( 1 144521 )

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: A quadratic polynomial is a second-degree polynomial.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback
The correct answer is: True.

### Question 8b of 15 ( 1 294993 )

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: A quadratic polynomial is a third-degree polynomial.

	Choice	Feedback
A.	True	
*B.	False	

Global Incorrect Feedback
The correct answer is: False.

### Question 8c of 15 ( 1 294994 )

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: A second-degree polynomial is a quadratic polynomial.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback
The correct answer is: True.

### Question 9a of 15 ( 1 144524 )

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: constant

Question: The product of  $p$  and  $q$  is the \_\_\_\_\_ term of the trinomial.

Attempt	Incorrect Feedback
1st	

	Correct Feedback



Alg

	<b>Global Incorrect Feedback</b>
	The correct answer is: constant.

### Question 9b of 15 ( 1 294995 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:** constant  
**Question:** The product of  $p$  and  $q$  is the \_\_\_\_\_ term of the trinomial.

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: constant.

### Question 9c of 15 ( 1 294996 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:** constant  
**Question:** The product of  $p$  and  $q$  is the \_\_\_\_\_ term of the trinomial.

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: constant.

### Question 10a of 15 ( 1 144525 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:** coefficient, coeficient, coeffisient, coefisient  
**Question:** The sum or difference of  $p$  and  $q$  is the \_\_\_\_\_ of the  $x$ -term in the trinomial.

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: coefficient.

Alg

### Question 10b of 15 ( 1 294997 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:** x-term, second term, x term, x  
**Question:** The sum or difference of  $p$  and  $q$  is the coefficient of the \_\_\_\_\_ in the trinomial.

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: x-term.

### Question 10c of 15 ( 1 294998 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:** coefficient, coeficient, coeffiscient, coefiscient  
**Question:** The sum or difference of  $p$  and  $q$  is the \_\_\_\_\_ of the  $x$ -term in the trinomial.

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

### Question 11a of 15 ( 1 144526 )

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

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

Alg

### Question 11b of 15 ( 1 294999 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

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

**Question:** Factor the trinomial  $x^2 + 3x - 10$ . 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 11c of 15 ( 1 295000 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

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

**Question:** Factor the trinomial  $x^2 + 4x - 12$ . 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 12a of 15 ( 1 144527 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**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:** Factor the trinomial  $x^2 - 2x - 8$ . Write each factor as a polynomial in descending order.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

Alg

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

### Question 12b of 15 ( 1 295001 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**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:** Factor the trinomial  $x^2 - x - 6$ . Write each factor as a polynomial in descending order.

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

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

### Question 12c of 15 ( 1 295002 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**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:** Factor the trinomial  $x^2 - 3x - 4$ . Write each factor as a polynomial in descending order.

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: $(x + 1)(x - 4)$ .

### Question 13a of 15 ( 1 144528 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false

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

**Question:** Factor the polynomial  $x^2 + 4x - 21$ . Write each factor as a polynomial in descending order.

Alg

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(x - 3)(x + 7)$ .

### Question 13b of 15 ( 1 295003 )

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

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

Question: Factor the polynomial  $x^2 + 5x - 24$ . Write each factor as a polynomial in descending order.

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(x - 3)(x + 8)$ .

### Question 13c of 15 ( 1 295004 )

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer:  $(x-3)(x+9), (x+9)(x-3), (1x-3)(1x+9), (1x+9)(1x-3), (x-3)*(x+9), (x+9)*(x-3), (1x-3)*(1x+9), (1x+9)*(1x-3), (x^1-3)(x^1+9), (x^1+9)(x^1-3), (1x^1-3)(1x^1+9), (1x^1+9)(1x^1-3), (x^1-3)*(x^1+9), (x^1+9)*(x^1-3), (1x^1-3)*(1x^1+9), (1x^1+9)*(1x^1-3)$

Question: Factor the polynomial  $x^2 + 6x - 27$ . Write each factor as a polynomial in descending order.

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(x - 3)(x + 9)$ .

Alg

### Question 14a of 15 ( 1 144529 )

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

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

Question: Factor the polynomial  $x^2 + 3x + 2$ . Write each factor as a polynomial in descending order.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

### Question 14b of 15 ( 1 295005 )

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

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

Question: Factor the polynomial  $x^2 + 4x + 4$ . Write each factor as a polynomial in descending order.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

### Question 14c of 15 ( 1 295006 )

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

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

Question: Factor the polynomial  $x^2 + 4x + 3$ . Write each factor as a polynomial in descending order.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

Alg

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

### Question 15a of 15 ( 1 144530 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**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:** Factor the polynomial  $x^2 - 5x + 6$ . Write each factor as a polynomial in descending order.

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

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

### Question 15b of 15 ( 1 295007 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**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:** Factor the polynomial  $x^2 - 6x + 8$ . Write each factor as a polynomial in descending order.

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

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

### Question 15c of 15 ( 1 295008 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**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:** Factor the polynomial  $x^2 - 5x + 4$ . Write each factor as a polynomial in descending order.

Alg

Attempt	Incorrect Feedback
1st	

  

	Correct Feedback

  

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

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