PREVIEW   CLOSE

Quiz: Factoring Trinomials (Advanced)

Question 1a of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 90614)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	45x^2 + 81x + 36, 45x^2+81x^1+36
Question:	The expression below is the factorization of what trinomial? *Enter the trinomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$(5x + 4)(9x + 9)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $45x^2 + 81x + 36$.

Question 1b of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 296618)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	54x^2+99x+45, 54x^2+99x^1+45
Question:	The expression below is the factorization of what trinomial? *Enter the trinomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$(6x + 5)(9x + 9)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $54x^2 + 99x + 45$.

Question 1c of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 296619)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	36x^2+81x+45, 36x^2+81x^1+45
Question:	The expression below is the factorization of what trinomial? *Enter the trinomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$(4x + 5)(9x + 9)$

Attempt	Incorrect Feedback
1st	

Correct Feedback

Global Incorrect Feedback
The correct answer is: $36x^2 + 81x + 45$.

Question 2a of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 90615)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	81x^2 + 99x + 24, 81x^2+99x^1+24
Question:	The expression below is the factorization of what trinomial? *Enter the trinomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$(9x + 8)(9x + 3)$$

Attempt	Incorrect Feedback
1st	

Correct Feedback

Global Incorrect Feedback
The correct answer is: $81x^2 + 99x + 24$.

Question 2b of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297283)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	64x^2+96x+27, 64x^2+96x^1+27
Question:	The expression below is the factorization of what trinomial? *Enter the trinomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$(8x + 9)(8x + 3)$$

Attempt	Incorrect Feedback
1st	

Correct Feedback

Global Incorrect Feedback
The correct answer is: $64x^2 + 96x + 27$.

Question 2c of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297284)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	81x^2+99x+28, 81x^2+99x^1+28
Question:	TThe expression below is the factorization of what trinomial? *Enter the trinomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$(9x + 7)(9x + 4)$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $81x^2 + 99x + 28$.

Question 3a of 15 (3 Finding a Common Factor in Each Term of a Trinomial 90616)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	-x^2 - 11x - 30, -x^2-11x^1-30, -1x^2-11x-30, -1x^2-11x^1-30, -(x^2+11x+30), -(x^2+11x^1+30), -1(x^2+11x+30), -1(x^2+11x^1+30)
Question:	The expression below is the factorization of what trinomial? *Enter the trinomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$-1(x + 5)(x + 6)$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $-x^2 - 11x - 30$.

Question 3b of 15 (3 Finding a Common Factor in Each Term of a Trinomial 297285)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	-x^2-13x-42, -x^2-13x^1-42, -1(x^2+13x+42), -1(x^2+13x^1+42), -(x^2+13x+42), -(x^2+13x^1+42)
Question:	The expression below is the factorization of what trinomial? *Enter the trinomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$-1(x + 6)(x + 7)$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $-x^2 - 13x - 42$.

Question 3c of 15 (3 Finding a Common Factor in Each Term of a Trinomial 297286)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	-x^2-11x-28, -x^2-11x^1-28, -1(x^2+11x+28), -1(x^2+11x^1+28), -(x^2+11x+28), -(x^2+11x^1+28)
Question:	The expression below is the factorization of what trinomial? *Enter the trinomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$-1(x + 4)(x + 7)$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $-x^2 - 11x - 28$.

Question 4a of 15 (3 Finding a Common Factor in Each Factor of a Trinomial 90617)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	-6x^2 - 78x - 252, -6x^2-78x^1-252, -6(x^2+13x+42), -6(x^2+13x^1+42)
Question:	The expression below is the factorization of what trinomial? *Enter the trinomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$-6(x + 6)(x + 7)$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $-6x^2 - 78x - 252$.

Question 4b of 15 (3 Finding a Common Factor in Each Factor of a Trinomial 297287)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	-6x^2-78x-240, -6x^2-78x^1-240, -6(x^2+13x+40), -6(x^2+13x^1+40)
Question:	The expression below is the factorization of what trinomial? *Enter the trinomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$$-6(x + 5)(x + 8)$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

Global Incorrect Feedback
The correct answer is: $-6x^2 - 78x - 240$.

Question 4c of 15 (3 Finding a Common Factor in Each Factor of a Trinomial 297288)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	-5x^2-65x-180, -5x^2-65x^1-180, -5(x^2+13x+36), -5(x^2+13x^1+36)
Question:	The expression below is the factorization of what trinomial? *Enter the trinomial in descending order.* Enter exponents using the caret (^). For example, you would enter x^2 as x^2.

$-5(x + 4)(x + 9)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $-5x^2 - 65x - 180$.

Question 5a of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 90618)

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

$4x^2 + 12x + 9$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 5b of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297289)

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

$9x^2 + 12x + 4$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 5c of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297291)

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

$$9x^2 + 6x + 1$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 6a of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 90619)

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

$$25x^2 + 30x + 9$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 6b of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297292)

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

$16x^2 + 24x + 9$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 6c of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297293)

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

$16x^2 + 40x + 25$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 7a of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 90620)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	(2x-7)(7x+5), (7x+5)(2x-7), (2x-7)*(7x+5), (7x+5)*(2x-7), (2x^1-7)(7x^1+5), (7x^1+5)(2x^1-7), (2x^1-7)*(7x^1+5), (7x^1+5)*(2x^1-7)
Question:	Factor the trinomial below. *Write each factor as a polynomial in descending order.*

$14x^2 - 39x - 35$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

Global Incorrect Feedback
The correct answer is: $(2x - 7)(7x + 5)$.

Question 7b of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297294)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	(3x-8)(8x+5), (8x+5)(3x-8), (3x-8)*(8x+5), (8x+5)*(3x-8), (3x^1-8)(8x^1+5), (8x^1+5)(3x^1-8), (3x^1-8)*(8x^1+5), (8x^1+5)*(3x^1-8)
Question:	Factor the trinomial below. *Write each factor as a polynomial in descending order.*

$24x^2 - 49x - 40$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(3x - 8)(8x + 5)$.

Question 7c of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297295)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	(2x-8)(8x+6), (8x+6)(2x-8), (2x-8)*(8x+6), (8x+6)*(2x-8), (2x^1-8)(8x^1+6), (8x^1+6)(2x^1-8), (2x^1-8)*(8x^1+6), (8x^1+6)*(2x^1-8), 4 (4x + 3) (x - 4), 4*(4x + 3)*(x - 4), 4(4x + 3)(x - 4), 4 (4x + 3)(x - 4), 4(4x + 3) (x - 4), 4(4x+3)(x-4), 4 (4x+3) (x-4)
Question:	Factor the trinomial below. *Write each factor as a polynomial in descending order.*

$16x^2 - 52x - 48$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x - 8)(8x + 6)$ or $4(4x + 3)(x - 4)$

Question 8a of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 90621)

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

$6x^2 - 5x - 25$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 8b of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297296)

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 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 8c of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297297)

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 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: $(2x - 5)(6x + 5)$.

Question 9a of 15 (3 Finding a Common Factor in Each Factor of a Trinomial 120787)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: -(x-2)(x+10), -(x+10)(x-2), -(1x-2)(1x+10), -(1x+10)(1x-2), -(x-2)*(x+10), -(x+10)*(x-2), -(1x-2)*(1x+10), -(1x+10)*(1x-2), -(x^1-2)(x^1+10), -(x^1+10)(x^1-2), -(1x^1-2)(1x^1+10), -(1x^1+10)(1x^1-2), -(x^1-2)*(x^1+10), -(x^1+10)*(x^1-2), -(1x^1-2)*(1x^1+10), -(1x^1+10)*(1x^1-2), -1(x-2)(x+10), -1(x+10)(x-2), -1(1x-2)(1x+10), -1(1x+10)(1x-2), -1(x-2)*(x+10), -1(x+10)*(x-2), -1(1x-2)*(1x+10), -1(1x+10)*(1x-2), -1(x^1-2)(x^1+10), -1(x^1+10)(x^1-2), -1(1x^1-2)(1x^1+10), -1(1x^1+10)(1x^1-2), -1(x^1-2)*(x^1+10), -1(x^1+10)*(x^1-2), -1(1x^1-2)*(1x^1+10), -1(1x^1+10)*(1x^1-2), (-x+2)(x+10), (x+10)(-x+2), (-1x+2)(1x+10), (1x+10)(-1x+2), (-x+2)*(x+10), (x+10)*(-x+2), (-1x+2)*(1x+10), (1x+10)*(-1x+2), (-x^1+2)(x^1+10), (x^1+10)(-x^1+2), (-1x^1+2)(1x^1+10), (1x^1+10)(-1x^1+2), (-x^1+2)*(x^1+10), (x^1+10)*(-x^1+2), (-1x^1+2)*(1x^1+10), (1x^1+10)*(-1x^1+2), (x-2)(-x-10), (-x-10)(x-2), (1x-2)(-1x-10), (-1x-10)(1x-2), (x-2)*(-x-10), (-x-10)*(x-2), (1x-2)*(-1x-10), (-1x-10)*(1x-2), (x^1-2)(-x^1-10), (-x^1-10)(x^1-2), (1x^1-2)(-1x^1-10), (-1x^1-10)(1x^1-2), (x^1-2)*(-x^1-10), (-x^1-10)*(x^1-2), (1x^1-2)*(-1x^1-10), (-1x^1-10)*(1x^1-2)

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

$-x^2 - 8x + 20$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $-1(x - 2)(x + 10)$.

Question 9b of 15 (3 Finding a Common Factor in Each Factor of a Trinomial 297298)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: -(x-3)(x+10), -(x+10)(x-3), -(1x-3)(1x+10), -(1x+10)(1x-3), -(x-3)*(x+10), -(x+10)*(x-3), -(1x-3)*(1x+10), -(1x+10)*(1x-3), -(x^1-3)(x^1+10), -(x^1+10)(x^1-3), -(1x^1-3)(1x^1+10), -(1x^1+10)(1x^1-3), -(x^1-3)*(x^1+10), -(x^1+10)*(x^1-3), -(1x^1-3)*(1x^1+10), -(1x^1+10)*(1x^1-3), -1(x-3)(x+10), -1(x+10)(x-3), -1(1x-3)(1x+10), -1(1x+10)(1x-3), -1(x-3)*(x+10), -1(x+10)*(x-3), -1(1x-3)*(1x+10), -1(1x+10)*(1x-3), -1(x^1-3)(x^1+10), -1(x^1+10)(x^1-3), -1(1x^1-3)(1x^1+10), -1(1x^1+10)(1x^1-3), -1(x^1-3)*(x^1+10), -1(x^1+10)*(x^1-3), -1(1x^1-3)*(1x^1+10), -1(1x^1+10)*(1x^1-3), (-x+3)(x+10), (x+10)(-x+3), (-1x+3)(1x+10), (1x+10)(-1x+3), (-x+3)*(x+10), (x+10)*(-x+3), (-1x+3)*(1x+10), (1x+10)*(-1x+3), (-x^1+3)(x^1+10), (x^1+10)(-x^1+3), (-1x^1+3)(1x^1+10), (1x^1+10)(-1x^1+3), (-x^1+3)*(x^1+10), (x^1+10)*(-x^1+3), (-1x^1+3)*(1x^1+10), (1x^1+10)*(-1x^1+3), (x-3)(-x-10), (-x-10)(x-3), (1x-3)(-1x-10), (-1x-10)(1x-3), (x-3)*(-x-10), (-x-10)*(x-3), (1x-3)*(-1x-10), (-1x-10)*(1x-3), (x^1-3)(-x^1-10), (-x^1-10)(x^1-3), (1x^1-3)(-1x^1-10), (-1x^1-10)(1x^1-3), (x^1-3)*(-x^1-10), (-x^1-10)*(x^1-3), (1x^1-3)*(-1x^1-10), (-1x^1-10)*(1x^1-3)

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

$-x^2 - 7x + 30$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: -1(*x* - 3)(*x* + 10).

Question 9c of 15 (3 Finding a Common Factor in Each Factor of a Trinomial 297299)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	-(x-2)(x+11), -(x+11)(x-2), -(1x-2)(1x+11), -(1x+11)(1x-2), -(x-2)*(x+11), -(x+11)*(x-2), -(1x-2)*(1x+11), -(1x+11)*(1x-2), -(x^1-2)(x^1+11), -(x^1+11)(x^1-2), -(1x^1-2)(1x^1+11), -(1x^1+11)(1x^1-2), -(x^1-2)*(x^1+11), -(x^1+11)*(x^1-2), -(1x^1-2)*(1x^1+11), -(1x^1+11)*(1x^1-2), -1(x-2)(x+11), -1(x+11)(x-2), -1(1x-2)(1x+11), -1(1x+11)(1x-2), -1(x-2)*(x+11), -1(x+11)*(x-2), -1(1x-2)*(1x+11), -1(1x+11)*(1x-2), -1(x^1-2)(x^1+11), -1(x^1+11)(x^1-2), -1(1x^1-2)(1x^1+11), -1(1x^1+11)(1x^1-2), -1(x^1-2)*(x^1+11), -1(x^1+11)*(x^1-2), -1(1x^1-2)*(1x^1+11), -1(1x^1+11)*(1x^1-2), (-x+2)(x+11), (x+11)(-x+2), (-1x+2)(1x+11), (1x+11)(-1x+2), (-x+2)*(x+11), (x+11)*(-x+2), (-1x+2)*(1x+11), (1x+11)*(-1x+2), (-x^1+2)(x^1+11), (x^1+11)(-x^1+2), (-1x^1+2)(1x^1+11), (1x^1+11)(-1x^1+2), (-x^1+2)*(x^1+11), (x^1+11)*(-x^1+2), (-1x^1+2)*(1x^1+11), (1x^1+11)*(-1x^1+2), (x-2)(-x-11), (-x-11)(x-2), (1x-2)(-1x-11), (-1x-11)(1x-2), (x-2)*(-x-11), (-x-11)*(x-2), (1x-2)*(-1x-11), (-1x-11)*(1x-2), (x^1-2)(-x^1-11), (-x^1-11)(x^1-2), (1x^1-2)(-1x^1-11), (-1x^1-11)(1x^1-2), (x^1-2)*(-x^1-11), (-x^1-11)*(x^1-2), (1x^1-2)*(-1x^1-11), (-1x^1-11)*(1x^1-2)
Question:	Factor the trinomial below. *Write each factor as a polynomial in descending order.* $-x^2 - 9x + 22$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: -1(*x* - 2)(*x* + 11).

Question 10a of 15 (3 Finding a Common Factor in Each Term of a Trinomial 120793)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	x(x+3)(x-4), (x)(x-4)(x+3), (x)(x+3)(x-4), (x-4)(x)(x+3), (x-4)(x+3)(x), (x+3)(x)(x-4), (x+3)(x-4)(x), (1x)(1x-4)(1x+3), (1x)(1x+3)(1x-4), (1x-4)(1x)(1x+3), (1x-4)(1x+3)(1x), (1x+3)(1x)(1x-4), (1x+3)(1x-4)(1x), (x)*(x-4)*(x+3), (x)*(x+3)*(x-4), (x-4)*(x)*(x+3), (x-4)*(x+3)*(x), (x+3)*(x)*(x-4), (x+3)*(x-4)*(x), (1x)*(1x-4)*(1x+3), (1x)*(1x+3)*(1x-4), (1x-4)*(1x)*(1x+3), (1x-4)*(1x+3)*(1x), (1x+3)*(1x)*(1x-4), (1x+3)*(1x-4)*(1x), (x^1)(x^1-4)(x^1+3), (x^1)(x^1+3)(x^1-4), (x^1-4)(x^1)(x^1+3), (x^1-4)(x^1+3)(x^1), (x^1+3)(x^1)(x^1-4), (x^1+3)(x^1-4)(x^1), (1x^1)(1x^1-4)(1x^1+3), (1x^1)(1x^1+3)(1x^1-4), (1x^1-4)(1x^1)(1x^1+3), (1x^1-4)(1x^1+3)(1x^1), (1x^1+3)(1x^1)(1x^1-4), (1x^1+3)(1x^1-4)(1x^1), (x^1)*(x^1-4)*(x^1+3), (x^1)*(x^1+3)*(x^1-4), (x^1-4)*(x^1)*(x^1+3), (x^1-4)*(x^1+3)*(x^1), (x^1+3)*(x^1)*(x^1-4), (x^1+3)*(x^1-4)*(x^1), (1x^1)*(1x^1-4)*(1x^1+3), (1x^1)*(1x^1+3)*(1x^1-4), (1x^1-4)*(1x^1)*(1x^1+3), (1x^1-4)*(1x^1+3)*(1x^1), (1x^1+3)*(1x^1)*(1x^1-4), (1x^1+3)*(1x^1-4)*(1x^1), x(x-4)(x+3), x(x+3)(x-4), (x-4)x(x+3), (x-4)(x+3)x, (x+3)x(x-4), (x+3)(x-4)x, 1x(1x-4)(1x+3), 1x(1x+3)(1x-4), (1x-4)1x(1x+3), (1x-4)(1x+3)1x, (1x+3)1x(1x-4), (1x+3)(1x-4)1x, x*(x-4)*(x+3), x*(x+3)*(x-4), (x-4)*x*(x+3), (x-4)*(x+3)*x, (x+3)*x*(x-4), (x+3)*(x-4)*x, 1x*(1x-4)*(1x+3), 1x*(1x+3)*(1x-4), (1x-4)*1x*(1x+3), (1x-4)*(1x+3)*1x, (1x+3)*1x*(1x-4), (1x+3)*(1x-4)*1x, x^1(x^1-4)(x^1+3), x^1(x^1+3)(x^1-4), (x^1-4)x^1(x^1+3), (x^1-4)(x^1+3)x^1, (x^1+3)x^1(x^1-4), (x^1+3)(x^1-4)x^1, 1x^1(1x^1-4)(1x^1+3), 1x^1(1x^1+3)(1x^1-4), (1x^1-4)1x^1(1x^1+3), (1x^1-4)(1x^1+3)1x^1, (1x^1+3)1x^1(1x^1-4), (1x^1+3)(1x^1-4)1x^1, x^1*(x^1-4)*(x^1+3), x^1*(x^1+3)*(x^1-4), (x^1-4)*x^1*(x^1+3), (x^1-4)*(x^1+3)*x^1, (x^1+3)*x^1*(x^1-4),

(x^1+3)*(x^1-4)*x^1, 1x^1*(1x^1-4)*(1x^1+3), 1x^1*(1x^1+3)*(1x^1-4), (1x^1-4)*1x^1*(1x^1+3), (1x^1-4)*(1x^1+3)*1x^1, (1x^1+3)*1x^1*(1x^1-4), (1x^1+3)*(1x^1-4)*1x^1

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

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 10b of 15 (3 Finding a Common Factor in Each Term of a Trinomial 297300)

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

$$x^3 - 2x^2 - 15x$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 10c of 15 (3 Finding a Common Factor in Each Term of a Trinomial 297301)

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

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 11a of 15 (3 Finding a Common Factor in Each Term of a Trinomial 120796)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	3(2x+1)(x-2), (3)(x-2)(2x+1), (3)(2x+1)(x-2), (x-2)(3)(2x+1), (x-2)(2x+1)(3), (2x+1)(3)(x-2), (2x+1)(x-2)(3), (3)(1x-2)(2x+1), (3)(2x+1)(1x-2), (1x-2)(3)(2x+1), (1x-2)(2x+1)(3), (2x+1)(3)(1x-2), (2x+1)(1x-2)(3), (3)*(x-2)*(2x+1), (3)*(2x+1)*(x-2), (x-2)*(3)*(2x+1), (x-2)*(2x+1)*(3), (2x+1)*(3)*(x-2), (2x+1)*(x-2)*(3), (3)*(1x-2)*(2x+1), (3)*(2x+1)*(1x-2), (1x-2)*(3)*(2x+1), (1x-2)*(2x+1)*(3), (2x+1)*(3)*(1x-2), (2x+1)*(1x-2)*(3), (3)(x^1-2)(2x^1+1), (3)(2x^1+1)(x^1-2), (x^1-2)(3)(2x^1+1), (x^1-2)(2x^1+1)(3), (2x^1+1)(3)(x^1-2), (2x^1+1)(x^1-2)(3), (3)(1x^1-2)(2x^1+1), (3)(2x^1+1)(1x^1-2), (1x^1-2)(3)(2x^1+1), (1x^1-2)(2x^1+1)(3), (2x^1+1)(3)(1x^1-2), (2x^1+1)(1x^1-2)(3), (3)*(x^1-2)*(2x^1+1), (3)*(2x^1+1)*(x^1-2), (x^1-2)*(3)*(2x^1+1), (x^1-2)*(2x^1+1)*(3), (2x^1+1)*(3)*(x^1-2), (2x^1+1)*(x^1-2)*(3), (3)*(1x^1-2)*(2x^1+1), (3)*(2x^1+1)*(1x^1-2), (1x^1-2)*(3)*(2x^1+1), (1x^1-2)*(2x^1+1)*(3), (2x^1+1)*(3)*(1x^1-2), (2x^1+1)*(1x^1-2)*(3), 3(x-2)(2x+1), 3(2x+1)(x-2), (x-2)3(2x+1), (x-2)(2x+1)3, (2x+1)3(x-2), (2x+1)(x-2)3, 3(1x-2)(2x+1), 3(2x+1)(1x-2), (1x-2)3(2x+1), (1x-2)(2x+1)3, (2x+1)3(1x-2), (2x+1)(1x-2)3, 3*(x-2)*(2x+1), 3*(2x+1)*(x-2), (x-2)*3*(2x+1), (x-2)*(2x+1)*3, (2x+1)*3*(x-2), (2x+1)*(x-2)*3, 3*(1x-2)*(2x+1), 3*(2x+1)*(1x-2), (1x-2)*3*(2x+1), (1x-2)*(2x+1)*3, (2x+1)*3*(1x-2),

(2x+1)*(1x-2)*3, 3(x^1-2)(2x^1+1), 3(2x^1+1)(x^1-2), (x^1-2)3(2x^1+1), (x^1-2)(2x^1+1)3, (2x^1+1)3(x^1-2), (2x^1+1)(x^1-2)3, 3(1x^1-2)(2x^1+1), 3(2x^1+1)(1x^1-2), (1x^1-2)3(2x^1+1), (1x^1-2)(2x^1+1)3, (2x^1+1)3(1x^1-2), (2x^1+1)(1x^1-2)3, 3*(x^1-2)*(2x^1+1), 3*(2x^1+1)*(x^1-2), (x^1-2)*3*(2x^1+1), (x^1-2)*(2x^1+1)*3, (2x^1+1)*3*(x^1-2), (2x^1+1)*(x^1-2)*3, 3*(1x^1-2)*(2x^1+1), 3*(2x^1+1)*(1x^1-2), (1x^1-2)*3*(2x^1+1), (1x^1-2)*(2x^1+1)*3, (2x^1+1)*3*(1x^1-2), (2x^1+1)*(1x^1-2)*3

Question: Factor completely the trinomial below. *Write each factor as a polynomial in descending order.*

$$6x^2 - 9x - 6$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 11b of 15 (3 Finding a Common Factor in Each Term of a Trinomial 297302)

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

$$8x^2 - 12x - 8$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 11c of 15 (3 Finding a Common Factor in Each Term of a Trinomial 297303)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	4(3x+1)(x-3), (4)(x-3)(3x+1), (4)(3x+1)(x-3), (x-3)(4)(3x+1), (x-3)(3x+1)(4), (3x+1)(4)(x-3), (3x+1)(x-3)(4), (4)(1x-3)(3x+1), (4)(3x+1)(1x-3), (1x-3)(4)(3x+1), (1x-3)(3x+1)(4), (3x+1)(4)(1x-3), (3x+1)(1x-3)(4), (4)*(x-3)*(3x+1), (4)*(3x+1)*(x-3), (x-3)*(4)*(3x+1), (x-3)*(3x+1)*(4), (3x+1)*(4)*(x-3), (3x+1)*(x-3)*(4), (4)*(1x-3)*(3x+1), (4)*(3x+1)*(1x-3), (1x-3)*(4)*(3x+1), (1x-3)*(3x+1)*(4), (3x+1)*(4)*(1x-3), (3x+1)*(1x-3)*(4), (4)(x^1-3)(3x^1+1), (4)(3x^1+1)(x^1-3), (x^1-3)(4)(3x^1+1), (x^1-3)(3x^1+1)(4), (3x^1+1)(4)(x^1-3), (3x^1+1)(x^1-3)(4), (4)(1x^1-3)(3x^1+1), (4)(3x^1+1)(1x^1-3), (1x^1-3)(4)(3x^1+1), (1x^1-3)(3x^1+1)(4), (3x^1+1)(4)(1x^1-3), (3x^1+1)(4)(1x^1-3), (3x^1+1)(1x^1-3)(4), (4)*(x^1-3)*(3x^1+1), (4)*(3x^1+1)*(x^1-3), (x^1-3)*(4)*(3x^1+1), (x^1-3)*(3x^1+1)*(4), (3x^1+1)*(4)*(x^1-3), (3x^1+1)*(x^1-3)*(4), (4)*(1x^1-3)*(3x^1+1), (4)*(3x^1+1)*(1x^1-3), (1x^1-3)*(4)*(3x^1+1), (1x^1-3)*(3x^1+1)*(4), (3x^1+1)*(4)*(1x^1-3), (3x^1+1)*(1x^1-3)*(4), 4(x-3)(3x+1), 4(3x+1)(x-3), (x-3)4(3x+1), (x-3)(3x+1)4, (3x+1)4(x-3), (3x+1)(x-3)4, 4(1x-3)(3x+1), 4(3x+1)(1x-3), (1x-3)4(3x+1), (1x-3)(3x+1)4, (3x+1)4(1x-3), (3x+1)(1x-3)4, 4*(x-3)*(3x+1), 4*(3x+1)*(x-3), (x-3)*4*(3x+1), (x-3)*(3x+1)*4, (3x+1)*4*(x-3), (3x+1)*(x-3)*4, 4*(1x-3)*(3x+1), 4*(3x+1)*(1x-3), (1x-3)*4*(3x+1), (1x-3)*(3x+1)*4, (3x+1)*4*(1x-3), (3x+1)*(1x-3)*4, 4(x^1-3)(3x^1+1), 4(3x^1+1)(x^1-3), (x^1-3)4(3x^1+1), (x^1-3)(3x^1+1)4, (3x^1+1)4(x^1-3), (3x^1+1)(x^1-3)4, 4(1x^1-3)(3x^1+1), 4(3x^1+1)(1x^1-3), (1x^1-3)4(3x^1+1), (1x^1-3)(3x^1+1)4, (3x^1+1)4(1x^1-3), (3x^1+1)(1x^1-3)4, 4*(x^1-3)*(3x^1+1), 4*(3x^1+1)*(x^1-3), (x^1-3)*4*(3x^1+1), (x^1-3)*(3x^1+1)*4, (3x^1+1)*4*(x^1-3), (3x^1+1)*(x^1-3)*4, 4*(1x^1-3)*(3x^1+1), 4*(3x^1+1)*(1x^1-3), (1x^1-3)*4*(3x^1+1), (1x^1-3)*(3x^1+1)*4, (3x^1+1)*4*(1x^1-3), (3x^1+1)*(1x^1-3)*4
Question:	Factor completely the trinomial below. *Write each factor as a polynomial in descending order.* $12x^2 - 32x - 12$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is $4(3x + 1)(x - 3)$.

Question 12a of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 120802)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	(4x-1)(x+6), (x+6)(4x-1), (4x-1)*(x+6), (x+6)*(4x-1), (4x-1)(1x+6), (1x+6)(4x-1), (4x-1)*(1x+6), (1x+6)*(4x-1), (4x^1-1)(x^1+6), (x^1+6)(4x^1-1), (4x^1-1)*(x^1+6), (x^1+6)*(4x^1-1), (4x^1-1)(1x^1+6), (1x^1+6)(4x^1-1), (4x^1-1)*(1x^1+6), (1x^1+6)*(4x^1-1)
Question:	Factor the trinomial below. *Write each factor as a polynomial in descending order.* $4x^2 + 23x - 6$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(4x - 1)(x + 6)$.

Question 12b of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297304)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	(5x-1)(x+6), (x+6)(5x-1), (5x-1)*(x+6), (x+6)*(5x-1), (5x-1)(1x+6), (1x+6)(5x-1), (5x-1)*(1x+6), (1x+6)*(5x-1), (5x^1-1)(x^1+6), (x^1+6)(5x^1-1), (5x^1-1)*(x^1+6), (x^1+6)*(5x^1-1), (5x^1-1)(1x^1+6), (1x^1+6)(5x^1-1), (5x^1-1)*(1x^1+6), (1x^1+6)*(5x^1-1)
Question:	Factor the trinomial below. *Write each factor as a polynomial in descending order.*

$$5x^2 + 29x - 6$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 12c of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297305)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	(4x-1)(x+5), (x+5)(4x-1), (4x-1)*(x+5), (x+5)*(4x-1), (4x-1)(1x+5), (1x+5)(4x-1), (4x-1)*(1x+5), (1x+5)*(4x-1), (4x^1-1)(x^1+5), (x^1+5)(4x^1-1), (4x^1-1)*(x^1+5), (x^1+5)*(4x^1-1), (4x^1-1)(1x^1+5), (1x^1+5)(4x^1-1), (4x^1-1)*(1x^1+5), (1x^1+5)*(4x^1-1)
Question:	Factor the trinomial below. *Write each factor as a polynomial in descending order.*

$$4x^2 + 19x - 5$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(4x - 1)(x + 5)$.

Question 13a of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 120806)

Maximum Attempts:	1
Question Type:	Multiple Choice
Maximum Score:	2
Question:	Which of the following is the correct factorization of the trinomial below?

$$-7x^2 + 5x + 12$$

	Choice	Feedback
A.	-7(x - 6)(x + 1)	
B.	7(x + 1)(-x + 12)	
C.	(-7x + 12)(x - 1)	
*D.	-(7x - 12)(x + 1)	

Global Incorrect Feedback
The correct answer is: -(7x - 12)(x + 1).

Question 13b of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297306)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the following is the correct factorization of the trinomial below?

$$-7x^2 - 4x + 20$$

	Choice	Feedback
*A.	-(7x - 10)(x + 2)	
B.	7(x + 10)(-x + 2)	
C.	-7(x - 5)(x + 2)	
D.	(-7x + 10)(x - 2)	

Global Incorrect Feedback
The correct answer is: -(7x - 10)(x + 2).

Question 13c of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297307)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the following is the correct factorization of the trinomial below?

$$-7x^2 - 5x + 18$$

	Choice	Feedback
A.	-7(x - 6)(x + 1)	
*B.	-(7x - 9)(x + 2)	
C.	(-7x + 9)(x - 2)	
D.	(-7x - 9)(x + 2)	

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

Question 14a of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 120811)

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

$$9x^2 - 0x - 4$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 14b of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297309)

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

$$4x^2 - 0x - 9$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 14c of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297310)

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

$$16x^2 - 0x - 1$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 15a of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 120818)

Maximum Attempts:	1
Question Type:	Multiple Choice
Maximum Score:	2
Question:	Which of the following is the correct factorization of the trinomial below?

$9x^2 + 21x + 10$

	Choice	Feedback
A.	(9x - 3)(x - 7)	
*B.	(3x + 5)(3x + 2)	
C.	(9x + 3)(x + 7)	
D.	(3x + 3)(3x + 7)	

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

Question 15b of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297311)

Maximum Attempts:	1
Question Type:	Multiple Choice
Maximum Score:	2
Question:	Which of the following is the correct factorization of the trinomial below?

$12x^2 + 32x + 20$

	Choice	Feedback
A.	(12x - 3)(x - 5)	
*B.	4(3x + 5)(x + 1)	
C.	4(12x + 3)(4x + 5)	
D.	(3x + 3)(4x + 9)	

Global Incorrect Feedback
The correct answer is: 4(3x + 5)(x + 1).

Question 15c of 15 (3 Factoring a Trinomial's Leading Coefficient and Constant 297312)

Maximum Attempts:	1
Question Type:	Multiple Choice
Maximum Score:	2
Question:	Which of the following is the correct factorization of the trinomial below?

$9x^2 + 27x + 20$

	Choice	Feedback
A.	$(9x - 4)(x - 9)$	
B.	$(3x + 4)(3x + 3)$	
C.	$(9x + 3)(x + 7)$	
*D.	$(3x + 4)(3x + 5)$	

Global Incorrect Feedback
The correct answer is: $(3x + 4)(3x + 5)$.