

PREVIEW

CLOSE

Exam: Algebra I-B Semester 2

Question 1a of 40 (2 Identifying Polynomials 478140)

Maximum Attempts: 1

Question Type: Multiple Response

Maximum Score: 5

Question: Which of the following are polynomials? *Check all that apply.*

Correct Answers:

	Choice
A.	$x^3 + 2x + 27 + \sqrt{x}$
B.	$\frac{x + 1}{x + 2}$
*C.	$x + 2$
*D.	$x^2 + 3x + 1$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: $x + 2$ and $x^2 + 3x + 1$.

Question 1b of 40 (2 Identifying Polynomials 478174)

Maximum Attempts: 1

Question Type: Multiple Response

Maximum Score: 5

Question: Which of the following are polynomials? *Check all that apply.*

Correct Answers:

	Choice
*A.	$x^2 + 3x + 1$
B.	$x^2 +$
C.	
*D.	$x^3 + x^2 + x$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: $x^2 + 3x + 1$ and $x^3 + x^2 + x$.

Question 1c of 40 (2 Identifying Polynomials 478175)

Maximum Attempts: 1

Question Type: Multiple Response

Maximum Score: 5

Question: Which of the following are polynomials? *Check all that apply.*

Correct Answers:

	Choice
A.	$x + x^{-3}$
*B.	$x^2 + x + 5$
C.	$\sqrt{x} + 2$
*D.	$x^4 + x^2 + 7$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: $x^2 + x + 5$ and $x^4 + x^2 + 7$.

Question 2a of 40 (2 Identifying Polynomials 478141)

Maximum Attempts: 1

Question Type: Multiple Response

Maximum Score: 5

Question: Which of the following are polynomials? *Check all that apply.*

Correct Answers:

	Choice
*A.	$x^3 + 2x + 27$
*B.	$1 + 1.5x^3 - 1.6x + x^7$
*C.	$x^2 + x + 2$
D.	$x^2 + 3x + \frac{1}{x}$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: <ul style="list-style-type: none"> • $x^3 + 2x + 27$ • $1 + 1.5x^3 - 1.6x + x^7$ • $x^2 + x + 2$

Question 2b of 40 (2 Identifying Polynomials 478176)

Maximum Attempts: 1

Question Type: Multiple Response

Maximum Score: 5

Question: Which of the following are polynomials? *Check all that apply.*

Correct Answers:

	Choice
*A.	$x^5 + 2x^3 + x + 27$
*B.	$1 + 5x^5 - 16x + x^{30}$
C.	$x^2 + x + \frac{1}{x}$
*D.	$x^2 + 3x$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: <ul style="list-style-type: none"> • $x^5 + 2x^3 + x + 27$ • $1 + 5x^5 - 16x + x^{30}$ • $x^2 + 3x$

Question 2c of 40 (2 Identifying Polynomials 478177)

Maximum Attempts: 1

Question Type: Multiple Response

Maximum Score: 5

Question: Which of the following are polynomials? *Check all that apply.*

Correct Answers:

	Choice
*A.	$x + 27$
B.	$1 + 1.5x^3 - 1.6x + x^7 +$
*C.	$x^4 + x + 6$
*D.	$x^2 + x + 2$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: <ul style="list-style-type: none"> • $x + 27$ • $x^4 + x + 6$ • $x^2 + x + 2$

Question 3a of 40 (3 Subtracting Polynomials 478142)**Maximum Attempts:** 1**Question Type:** Text Fill In Blank**Maximum Score:** 5**Is Case Sensitive:** false**Correct Answer:** $-x^3+3.5x^2+3$, $-1x^3+3.5x^2+3$, $-x^3+7/2x^2+3$, $-1x^3+7/2x^2+3$, $-x^3+7x^2/2+3$, $-1x^3+7x^2/2+3$ **Question:** Find the difference of the polynomials below. Use the caret (^) to enter any exponents; for example, write x^2 as x^2 . Write your answer in descending order.

$$(x^3 + 2x^2 + 4x + 7) - (2x^3 - 1.5x^2 + 4x + 4)$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $-x^3 + 3.5x^2 + 3$.

Question 3b of 40 (3 Subtracting Polynomials 478178)**Maximum Attempts:** 1**Question Type:** Text Fill In Blank**Maximum Score:** 5**Is Case Sensitive:** false**Correct Answer:** $-2x^3+4.5x^2+2$, $-2x^3+4.5x^2+2$, $-2x^3+9/2x^2+2$, $-2x^3+9x^2/2+2$, $-2x^3+9x^2/2+2$ **Question:** Find the difference of the polynomials below. Use the caret (^) to enter any exponents; for example, write x^2 as x^2 . Write your answer in descending order.

$$(x^3 + 2x^2 + 5x + 7) - (3x^3 - 2.5x^2 + 5x + 5)$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $-2x^3 + 4.5x^2 + 2$.

Question 3c of 40 (3 Subtracting Polynomials 478179)**Maximum Attempts:** 1**Question Type:** Text Fill In Blank**Maximum Score:** 5**Is Case Sensitive:** false**Correct Answer:** $-4x^3+2.5x^2+2$, $-4x^3+5/2x^2+2$, $-4x^3+5x^2/2+2$ **Question:** Find the difference of the polynomials below. Use the caret (^) to enter any exponents; for example, write x^2 as x^2 . Write your answer in descending order.

$$(x^3 + 2x^2 + 6x + 7) - (5x^3 - 0.5x^2 + 6x + 5)$$

Attempt	Incorrect Feedback
1st	

Preview

	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $-4x^3 + 2.5x^2 + 2$.

Question 4a of 40 (3 Subtracting Polynomials 478143)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: $x^4+1.5x+3$, $1x^4+1.5x+3$, $x^4+3/2x+3$, $1x^4+3/2x+3$, $x^4+3x/2+3$, $1x^4+3x/2+3$, $x^4+3x/2+3$, $1x^4+1.5x+3$, $1x^4+1.5x^1+3$, $x^4+3/2x^1+3$, $1x^4+3/2x^1+3$, $1x^4+3x^1/2+3$

Question: Find the difference of the polynomials below. Use the caret (^) to enter any exponents; for example, write x^2 as x^2 . Write your answer in descending order.

$$(2x^4 + x^2 + 4.5x + 7) - (x^4 + x^2 + 3x + 4)$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $x^4 + 1.5x + 3$.

Question 4b of 40 (3 Subtracting Polynomials 478180)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: $2x^4+1.5x+4$, $2x^4+1.5x+4$, $2x^4+3/2x+4$, $2x^4+3/2x+4$, $2x^4+3x/2+4$, $2x^4+3x/2+4$, $2x^4+3x/2+4$, $2x^4+1.5x+4$, $2x^4+1.5x^1+4$, $2x^4+3/2x^1+4$, $2x^4+3/2x^1+4$, $2x^4+3x^1/2+4$, $2x^4+3x^1/2+4$

Question: Find the difference of the polynomials below. Use the caret (^) to enter any exponents; for example, write x^2 as x^2 . Write your answer in descending order.

$$(3x^4 + x^2 + 5.5x + 8) - (x^4 + x^2 + 4x + 4)$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $2x^4 + 1.5x + 4$.

Question 4c of 40 (3 Subtracting Polynomials 478181)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer:

$x^4+3.5x+4$, $1x^4+3.5x+4$, $x^4+7/2x+4$, $1x^4+7/2x+4$, $x^4+7x/2+4$, $1x^4+7x/2+4$, $x^4+7x/2+4$, $1x^4+7x/2+4$, $x^4+3.5x+4$, $1x^4+3.5x^1+4$, $x^4+7/2x^1+4$, $1x^4+7/2x^1+4$, $x^4+7/2x^1+4$, $1x^4+7/2x^1+4$, $x^4+7(x^1)/2+4$, $1x^4+7(x^1)/2+4$

Question:

Find the difference of the polynomials below. Use the caret (^) to enter any exponents; for example, write x^2 as x^2 . Write your answer in descending order.

$$(2x^4 + x^2 + 4.5x + 8) - (x^4 + x^2 + x + 4)$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $x^4 + 3.5x + 3$.

Question 5a of 40 (2 Determining the Degree of a Polynomial 478144)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 4

Question:

What is the degree of the polynomial below?

$$2 + x^2 + 3x - 5x^4 + x^3$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 4.

Question 5b of 40 (2 Determining the Degree of a Polynomial 478182)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 5

Question:

What is the degree of the polynomial below?

$$2 + x^5 + 3x - 4x^4 + 2x^3$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback

Preview

	Global Incorrect Feedback
	The correct answer is: 5.

Question 5c of 40 (2 Determining the Degree of a Polynomial 478183)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: 6
Question: What is the degree of the polynomial below?

$$5 + 6x^2 + 3x - 7x^3 + x^6$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 6.

Question 6a of 40 (2 Determining the Degree of a Polynomial 478145)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: 3
Question: What is the degree of the polynomial below?

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 3.

Question 6b of 40 (2 Determining the Degree of a Polynomial 478184)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: 4
Question: What is the degree of the polynomial below?

$$3 + x^3 + 3x - 6x^4 + x^3$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

Preview

	Global Incorrect Feedback
	The correct answer is: 4.

Question 6c of 40 (2 Determining the Degree of a Polynomial 478185)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: 5
Question: What is the degree of the polynomial below?

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

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 5.

Question 7a of 40 (3 Multiplying Binomials 478146)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: $6x^2 - 7x - 3$, $6x^2 - 7x^1 - 3$
Question: Calculate the product of the binomials below. Use the caret (^) to enter any exponents; for example, write x^2 as x^2 . Write your answer in descending order.

$$(2x - 3)(3x + 1)$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $6x^2 - 7x - 3$.

Question 7b of 40 (3 Multiplying Binomials 478186)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: $9x^2 - 3x - 2$, $9x^2 - 3x^1 - 2$
Question: Calculate the product of the binomials below. Use the caret (^) to enter any exponents; for example, write x^2 as x^2 . Write your answer in descending order.

$$(3x - 2)(3x + 1)$$

Attempt	Incorrect Feedback
1st	

Preview

	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $9x^2 - 3x - 2$.

Question 7c of 40 (3 Multiplying Binomials 478187)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: $4x^2+x-3$, $4x^2+x^1-3$

Question: Calculate the product of the binomials below. Use the caret (^) to enter any exponents; for example, write x^2 as x^2 . Write your answer in descending order.

$$(4x - 3)(x + 1)$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $4x^2 + x - 3$.

Question 8a of 40 (3 Multiplying Binomials 478147)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: $4x^2-25$

Question: Calculate the product of the binomials below. Use the caret (^) to enter any exponents; for example, write x^2 as x^2 . Write your answer in descending order.

$$(2x - 5)(2x + 5)$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $4x^2 - 25$.

Question 8b of 40 (3 Multiplying Binomials 478188)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: x^2-49

Question: Calculate the product of the binomials below. Use the caret (^) to enter any exponents; for example, write x^2 as x^2 . Write your answer in descending order.

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

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $x^2 - 49$.

Question 8c of 40 (3 Multiplying Binomials 478189)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: $9x^2-36$

Question: Calculate the product of the binomials below. Use the caret (^) to enter any exponents; for example, write x^2 as x^2 . Write your answer in descending order.

$$(3x - 6)(3x + 6)$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $9x^2 - 36$.

Question 9a of 40 (3 Dividing Polynomials 483075)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: $-2x^5 + 4x^4 + x - 2$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in descending order, using the caret (^) for exponents; for example, enter x^2 as x^2 .

$$(-6x^7 + 12x^6 + 3x^3 - 6x^2) \quad (3x^2)$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback

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

Question 9b of 40 (3 Dividing Polynomials 483076)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: $-x^7 - 3x^4 + 2x^3 - 1$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in descending order, using the caret (^) for exponents; for example, enter x^2 as x^2 .

$$(-11x^9 - 33x^6 + 22x^5 - 11x^2) \div (11x^2)$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $-x^7 - 3x^4 + 2x^3 - 1$.

Question 9c of 40 (3 Dividing Polynomials 483077)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: $-2x^6 - x^3 - 3x^2 + 1$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in descending order, using the caret (^) for exponents; for example, enter x^2 as x^2 .

$$(-14x^8 - 7x^5 - 21x^4 + 7x^2) \div (7x^2)$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $-2x^6 - x^3 - 3x^2 + 1$.

Question 10a of 40 (3 Dividing Polynomials 483078)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: $2x^5 - 3x^3 - x^2 + 4x$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in descending order, using the caret (^) for exponents; for example, enter x^2 as x^2 .

$$(4x^7 - 6x^5 - 2x^4 + 8x^3) \div (2x^2)$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $2x^5 - 3x^3 - x^2 + 4x$.

Question 10b of 40 (3 Dividing Polynomials 483079)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: $2x^5 + 3x^4 + x^3 + 4x$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in descending order, using the caret (^) for exponents; for example, enter x^2 as x^2 .

$$(6x^7 + 9x^6 - 3x^5 + 12x^3) \div (3x^2)$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $2x^5 + 3x^4 - x^3 + 4x$.

Question 10c of 40 (3 Dividing Polynomials 483080)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: $2x^7 - 3x^4 + 4x^2 + x$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in descending order, using the caret (^) for exponents; for example, enter x^2 as x^2 .

$$(8x^9 - 12x^6 + 16x^4 + 4x^3) \div (4x^2)$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $2x^7 - 3x^4 + 4x^2 + x$.

Question 11a of 40 (3 Solving Quadratic Equations 478150)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: -1/2

Question: Solve the equation below for x . If your answer is *not* a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$4x^2 + 4x + 1 = 0$$

$x =$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: -1/2.

Question 11b of 40 (3 Solving Quadratic Equations 478194)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: -1/3

Question: Solve the equation below for x . If your answer is *not* a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$9x^2 + 6x + 1 = 0$$

$x =$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: -1/3.

Question 11c of 40 (3 Solving Quadratic Equations 478195)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: -1/4

Question: Solve the equation below for x . If your answer is *not* a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$16x^2 + 8x + 1 = 0$$

$x =$

Attempt	Incorrect Feedback
1st	

Preview

	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: -1/4.

Question 12a of 40 (3 Solving Quadratic Equations 478151)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 5, five, 5., 5.0, 5.00

Question: Solve the equation below for x . If your answer is *not* a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$x^2 - 10x + 25 = 0$$

$x =$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 5.

Question 12b of 40 (3 Solving Quadratic Equations 478196)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 4, four, 4., 4.0, 4.00

Question: Solve the equation below for x . If your answer is *not* a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$x^2 - 8x + 16 = 0$$

$x =$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 4.

Question 12c of 40 (3 Solving Quadratic Equations 478197)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: 6, six, 6., 6.0, 6.00

Question: Solve the equation below for x . If your answer is *not* a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$x^2 - 12x + 36 = 0$$

$x =$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 6.

Question 13a of 40 (3 Using the Quadratic Formula to Solve Equations 478152)

Maximum Attempts: 1
Question Type: Multiple Response
Maximum Score: 5
Question: Check each solution to the quadratic equation below:

$$x^2 + 7x + 11 = 11x + 9$$

Check all that apply.

Correct Answers:

	Choice
A.	4
*B.	$2 - \sqrt{2}$
C.	$-2 + \sqrt{2}$
D.	2
E.	-2 -
*F.	2 +

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answers are: $2 - \sqrt{2}$ and $2 + \sqrt{2}$.

Question 13b of 40 (3 Using the Quadratic Formula to Solve Equations 478198)

Maximum Attempts: 1
Question Type: Multiple Response
Maximum Score: 5
Question: Check each solution to the quadratic equation below:

$$x^2 + 7x + 11 = x + 4$$

Check all that apply.

Correct Answers:

	Choice
A.	$3 + \sqrt{2}$
B.	$3 - \sqrt{5}$
*C.	$-3 + \sqrt{2}$
D.	2
*E.	$-3 - \sqrt{2}$
F.	3

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: $-3 - \sqrt{2}$ and $-3 + \sqrt{2}$.

Question 13c of 40 (3 Using the Quadratic Formula to Solve Equations 478199)

Maximum Attempts: 1
Question Type: Multiple Response
Maximum Score: 5
Question: Check all that apply to each solution to the quadratic equation below:

$$x^2 + 7x + 17 = 15x + 3$$

Correct Answers:

	Choice
*A.	4 -
B.	-4 -
*C.	4 +
D.	2
E.	1
F.	-4 +

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: 4 + and 4 - .

Question 14a of 40 (3 Using the Quadratic Formula to Solve Equations 478153)

Maximum Attempts: 1
Question Type: Multiple Response
Maximum Score: 5
Question: Check each solution to the quadratic equation below:

$$x^2 + 11x + 11 = 7x + 9$$

Check all that apply.

Correct Answers:

	Choice
A.	4
B.	$2 - \sqrt{2}$
*C.	$-2 + \sqrt{2}$
*D.	$-2 - \sqrt{2}$
E.	6
F.	$2 + \sqrt{2}$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: $-2 + \sqrt{2}$ and $-2 - \sqrt{2}$.

Question 14b of 40 (3 Using the Quadratic Formula to Solve Equations 478200)

Maximum Attempts: 1
Question Type: Multiple Response
Maximum Score: 5
Question: Check each solution to the quadratic equation below:

$$x^2 + x + 11 = 7x + 4$$

Check all that apply.

Correct Answers:

	Choice
A.	4
*B.	3 -
C.	6
D.	-3 -
E.	-3 +
*F.	3 +

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: 3 + and 3 - .

Question 14c of 40 (3 Using the Quadratic Formula to Solve Equations 478201)

Maximum Attempts: 1
Question Type: Multiple Response
Maximum Score: 5
Question: Check each solution to the quadratic equation below:

$$x^2 + 15x + 17 = 7x + 3$$

Check all that apply.

Correct Answers:

	Choice
<input checked="" type="checkbox"/>	A. $-4 - \sqrt{2}$
<input type="checkbox"/>	B. $4 - \sqrt{2}$
<input checked="" type="checkbox"/>	C. $-4 + \sqrt{2}$
<input type="checkbox"/>	D. 4
<input type="checkbox"/>	E. 6
<input type="checkbox"/>	F. $4 + \sqrt{2}$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: $-4 + \sqrt{2}$ and $-4 - \sqrt{2}$.

Question 15a of 40 (3 Factoring Polynomials 478202)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false

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

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

$$x^2 - 49$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 15b of 40 (3 Factoring Polynomials 478154)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false

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

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

$$x^2 - 25$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 15c of 40 (3 Factoring Polynomials 478203)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false

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

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

$$x^2 - 81$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 16a of 40 (3 Factoring Polynomials 478155)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false

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

Question: Factor the expression below. Write each factor as a polynomial in decreasing order.

$$4x^2 - 1$$

Attempt	Incorrect Feedback
1st	

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

Question 16b of 40 (3 Factoring Polynomials 478204)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: $(3x+1)(3x-1)$, $(3x-1)(3x+1)$, $(3x+1)*(3x-1)$, $(3x-1)*(3x+1)$, $(3x^1+1)(3x^1-1)$, $(3x^1-1)(3x^1+1)$, $(3x^1+1)*(3x^1-1)$, $(3x^1-1)*(3x^1+1)$
Question: Factor the expression below. Write each factor as a polynomial in decreasing order.
 $9x^2 - 1$

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

Question 16c of 40 (3 Factoring Polynomials 478205)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
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 expression below. Write each factor as a polynomial in decreasing order.
 $16x^2 - 1$

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

Question 17a of 40 (3 Factoring Polynomials 478156)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

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: Factor the expression below. Write each factor as a polynomial in decreasing order.

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 17b of 40 (3 Factoring Polynomials 478206)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

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 expression below. Write each factor as a polynomial in decreasing order.

$$x^2 + 5x + 4$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 17c of 40 (3 Factoring Polynomials 478207)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

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: Factor the expression below. Write each factor as a polynomial in decreasing order.

$$x^2 + 6x + 5$$

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

Question 18a of 40 (3 Factoring Polynomials 478157)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

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

Question: Factor the expression below. Write each factor as a polynomial in decreasing order.

$$x^2 - 5x - 14$$

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

Question 18b of 40 (3 Factoring Polynomials 478208)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

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 expression below. Write each factor as a polynomial in decreasing order.

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

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

Question 18c of 40 (3 Factoring Polynomials 478209)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

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 expression below. Write each factor as a polynomial in decreasing order.

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 19a of 40 (3 Factoring Polynomials 478158)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: (2x+3)(5x-4), (5x-4)(2x+3), (2x+3)*(5x-4), (5x-4)*(2x+3), (2x^1+3)(5x^1-4), (5x^1-4)(2x^1+3), (2x^1+3)*(5x^1-4), (5x^1-4)*(2x^1+3)

Question: Factor the expression below. Write each factor as a polynomial in decreasing order.

$$10x^2 + 7x - 12$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: (2x + 3)(5x - 4).

Question 19b of 40 (3 Factoring Polynomials 478210)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

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

Question: Factor the expression below. Write each factor as a polynomial in decreasing order.

$$10x^2 + 9x - 9$$

Attempt	Incorrect Feedback
1st	

Preview

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

Question 19c of 40 (3 Factoring Polynomials 478211)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

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 expression below. Write each factor as a polynomial in decreasing order.

$$6x^2 + 5x - 25$$

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

Question 20a of 40 (3 Factoring Polynomials 478159)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

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: Factor the expression below. Write each factor as a polynomial in decreasing order.

$$2x^2 - 5x - 3$$

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

Question 20b of 40 (3 Factoring Polynomials 478212)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false

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

Question: Factor the expression below. Write each factor as a polynomial in decreasing order.

$$3x^2 - 5x - 2$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 20c of 40 (3 Factoring Polynomials 478213)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false

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

Question: Factor the expression below. Write each factor as a polynomial in decreasing order.

$$3x^2 - 11x - 4$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 21a of 40 (3 Multiplying Radicals 478160)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false

Correct Answer: 18, 18/1

Question: Solve the equation for x. If necessary, enter a non-integer answer as a fraction in lowest terms, using the slash mark (/) as the fraction bar. Do not include "x =" in your answer.

Attempt	Incorrect Feedback
1st	

Preview

	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 18.

Question 21b of 40 (3 Multiplying Radicals 478214)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 18, 18/1

Question: Solve the equation for x. If necessary, enter a non-integer answer as a fraction in lowest terms, using the slash mark (/) as the fraction bar. Do not include "x =" in your answer.

$$\sqrt{9} + \sqrt{36} = x$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 18.

Question 21c of 40 (3 Multiplying Radicals 478215)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 12, 12/1

Question: Solve the equation for x. If necessary, enter a non-integer answer as a fraction in lowest terms, using the slash mark (/) as the fraction bar. Do not include "x =" in your answer.

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 12.

Question 22a of 40 (3 Dividing Radicals 478161)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: 3/4

Question: Solve the equation for x. If necessary, enter a non-integer answer as a fraction in lowest terms, using the slash mark (/) as the fraction bar. Do not include "x =" in your answer.

$$\sqrt{27} \div \sqrt{48} = x$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 3/4.

Question 22b of 40 (3 Dividing Radicals 478216)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: 3/5

Question: Solve the equation for x. If necessary, enter a non-integer answer as a fraction in lowest terms, using the slash mark (/) as the fraction bar. Do not include "x =" in your answer.

$$\sqrt{27} + \sqrt{48} = .$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 3/5.

Question 22c of 40 (3 Dividing Radicals 478217)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: 2/3

Question: Solve the equation for x. If necessary, enter a non-integer answer as a fraction in lowest terms, using the slash mark (/) as the fraction bar. Do not include "x =" in your answer.

Attempt	Incorrect Feedback
1st	

Preview

	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 2/3.

Question 23a of 40 (3 Multiplying Radicals 478162)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 8, 8/1

Question: Solve the equation for x. If necessary, enter a non-integer answer as a fraction in lowest terms, using the slash mark (/) as the fraction bar. Do not include "x =" in your answer.

$$\sqrt{32} \cdot \sqrt{2} = x$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 8.

Question 23b of 40 (3 Multiplying Radicals 478218)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 9, 9/1

Question: Solve the equation for x. If necessary, enter a non-integer answer as a fraction in lowest terms, using the slash mark (/) as the fraction bar. Do not include "x =" in your answer.

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 9.

Question 23c of 40 (3 Multiplying Radicals 478219)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 25, 25/1

Question: Solve the equation for x. If necessary, enter a non-integer answer as a fraction in lowest terms, using the slash mark (/) as the fraction bar. Do not include "x =" in your answer.

$$\sqrt{125} \cdot \sqrt{5} = x$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 25.

Question 24a of 40 (3 Multiplying Radicals 478163)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 10, 10/1

Question: Solve the equation for x. If necessary, enter a non-integer answer as a fraction in lowest terms, using the slash mark (/) as the fraction bar. Do not include "x =" in your answer.

$$\sqrt{20} \cdot \sqrt{5} = x$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 10.

Question 24b of 40 (3 Multiplying Radicals 478220)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 15, 15/1

Question: Solve the equation for x. If necessary, enter a non-integer answer as a fraction in lowest terms, using the slash mark (/) as the fraction bar. Do not include "x =" in your answer.

Attempt	Incorrect Feedback
1st	

Preview

	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 15.

Question 24c of 40 (3 Multiplying Radicals 478221)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 6, 6/1

Question: Solve the equation for x . If necessary, enter a non-integer answer as a fraction in lowest terms, using the slash mark (/) as the fraction bar. Do not include "x =" in your answer.

$$\sqrt{12} \cdot \sqrt{5} = x$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 6.

Question 25a of 40 (3 Multiplying Complex Numbers 478164)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 14 - 8i, -8i + 14

Question: Find the product of the complex numbers and enter it below. Remember that $i = \sqrt{-1}$.

$$(2 - 3i)(4 + 2i)$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 14 - 8i.

Question 25b of 40 (3 Multiplying Complex Numbers 478222)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: $14 + 2i$, $2i + 14$

Question: Find the product of the complex numbers and enter it below. Remember that $i = \sqrt{-1}$.

$$(4 - 3i)(2 + 2i)$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $14 + 2i$.

Question 25c of 40 (3 Multiplying Complex Numbers 478223)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: $19 - 4i$, $-4i + 19$

Question: Find the product of the complex numbers and enter it below. Remember that $i = \sqrt{-1}$.

$$(3 - 2i)(5 + 2i)$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $19 - 4i$.

Question 26a of 40 (3 Multiplying Complex Numbers 478165)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: $8 + 11i$, $11i + 8$

Question: Find the product of the complex numbers and enter it below. Remember that $i = \sqrt{-1}$.

$$(2 - i)(1 + 6i)$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $8 + 11i$.

Question 26b of 40 (3 Multiplying Complex Numbers 478224)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: $8 + 14i$, $14i + 8$
Question: Find the product of the complex numbers and enter it below. Remember that $i = \sqrt{-1}$.
 $(3 - i)(1 + 5i)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $8 + 14i$.

Question 26c of 40 (3 Multiplying Complex Numbers 478225)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: $8 + 15i$, $15i + 8$
Question: Find the product of the complex numbers and enter it below. Remember that $i = \sqrt{-1}$.
 $(4 - i)(1 + 4i)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $8 + 15i$.

Question 27a of 40 (3 Multiplying Radicals 478166)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: $5/7$, $5 / 7$
Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

Preview

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 5/7.

Question 27b of 40 (3 Multiplying Radicals 478226)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: 3/4, 3 / 4
Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$\sqrt{\frac{3}{4}} \cdot \sqrt{\frac{6}{5}}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 3/4.

Question 27c of 40 (3 Multiplying Radicals 478227)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 5
Is Case Sensitive: false
Correct Answer: 3/5
Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 3/5.

Question 28a of 40 (3 Multiplying Radicals 478167)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 11/4

Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$\sqrt{\frac{11}{8}} \cdot \sqrt{\frac{11}{2}}$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 11/4.

Question 28b of 40 (3 Multiplying Radicals 478228)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 13/9

Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$\sqrt{\frac{13}{27}} \cdot \sqrt{\frac{13}{3}}$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 13/9.

Question 28c of 40 (3 Multiplying Radicals 478229)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 15/4

Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

Attempt	Incorrect Feedback
1st	

Preview

	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 15/4.

Question 29a of 40 (3 Multiplying Radicals 478168)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 2/3

Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$\sqrt{\frac{5}{9}} \cdot \sqrt{\frac{4}{5}}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 2/3.

Question 29b of 40 (3 Multiplying Radicals 478230)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 3/2, 1.5

Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 3/2.

Question 29c of 40 (3 Multiplying Radicals 478231)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 3/4

Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$\sqrt[3]{7} \cdot \sqrt[3]{9}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 3/4.

Question 30a of 40 (3 Multiplying Radicals 478169)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 3/5

Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$\sqrt{\frac{6}{5}} \cdot \sqrt{\frac{3}{10}}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 3/5.

Question 30b of 40 (3 Multiplying Radicals 478232)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 3/7

Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

Attempt	Incorrect Feedback
1st	

Preview

	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 3/7.

Question 30c of 40 (3 Multiplying Radicals 478233)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 2/5

Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$\sqrt{12} \cdot \sqrt{\frac{2}{5}}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 2/5.

Question 31a of 40 (3 Multiplying Radicals 478170)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 5/2

Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 5/2.

Question 31b of 40 (3 Multiplying Radicals 478234)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 7/2

Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$\sqrt{\frac{7}{5}} \cdot \sqrt{\frac{14}{5}}$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 7/2.

Question 31c of 40 (3 Multiplying Radicals 478235)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 5

Is Case Sensitive: false

Correct Answer: 3/2

Question: Simplify the expression below. If your answer is not a whole number, enter it as a fraction in lowest terms, using the slash mark (/) as the fraction bar.

$$\sqrt{\frac{3}{5}} \cdot \sqrt{\frac{15}{2}}$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 3/2.

Question 32a of 40 (3 Rationalizing the Denominator 478171)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 5

Question: Which choice is equivalent to the fraction below? Hint: Rationalize the denominator and simplify.

	Choice	Feedback
A.	$2 + \sqrt{3}$	
B.	$3 + 2\sqrt{2}$	
C.	$1 + \sqrt{2}$	
*D.	$2 - \sqrt{3}$	

Global Incorrect Feedback
The correct answer is: $2 - \sqrt{3}$.

Question 32b of 40 (3 Rationalizing the Denominator 478236)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 5

Question: Which choice is equivalent to the fraction below? Hint: Rationalize the denominator and simplify.

$$\frac{2 - 2\sqrt{2}}{2 + 2\sqrt{2}}$$

	Choice	Feedback
A.	$2 - \sqrt{2}$	
*B.	$-3 + 2\sqrt{2}$	
C.	$1 - \sqrt{2}$	
D.	$2 - \sqrt{2}$	

Global Incorrect Feedback
The correct answer is: $-3 + 2\sqrt{2}$.

Question 32c of 40 (3 Rationalizing the Denominator 478237)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 5

Question: Which choice is equivalent to the fraction below? Hint: Rationalize the denominator and simplify.

	Choice	Feedback
*A.		
B.		
C.		
D.		

Global Incorrect Feedback
The correct answer is: .

Question 33a of 40 (3 Reducing a Rational Expression 478172)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 5

Question: Which choice is equivalent to the rational expression below when $x \neq 3$ or -1 ?

$$\frac{x^2 - 9}{(x - 3)(x + 1)}$$

	Choice	Feedback
A.	$\frac{x+3}{x-3}$	
*B.	$\frac{x+3}{x+1}$	
C.	$\frac{x^2}{x-3}$	
D.	$\frac{x-3}{x+1}$	

Global Incorrect Feedback
The correct answer is: $\frac{x+3}{x+1}$.

Question 33b of 40 (3 Reducing a Rational Expression 478238)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 5

Question: Which choice is equivalent to the rational expression below when $x \neq 2$ or -1 ?

$$\frac{x^2 - 4}{(x - 2)(x + 1)}$$

	Choice	Feedback
*A.	$\frac{x+2}{x+1}$	
B.		
C.		
D.		

Global Incorrect Feedback
The correct answer is: .

Question 33c of 40 (3 Reducing a Rational Expression 478239)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 5

Question: Which choice is equivalent to the rational expression below when $x \neq -2$ or -1 ?

$$\frac{x^2 - 4}{(x - 2)(x + 1)}$$

	Choice	Feedback
A.	$\frac{x^2}{x - 2}$	
B.	$\frac{x + 3}{x + 1}$	
C.	$\frac{x - 2}{x + 1}$	
*D.	$\frac{x - 2}{x - 1}$	

Global Incorrect Feedback
The correct answer is: $\frac{x - 2}{x + 1}$.

Question 34a of 40 (3 Rationalizing the Denominator 478173)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 5

Question: Which choice is equivalent to the fraction below? Hint: Rationalize the denominator and simplify.

$$\frac{1 + \sqrt{2}}{1 - \sqrt{2}}$$

	Choice	Feedback
A.	$2 - \sqrt{3}$	
B.		
C.		
*D.		

Global Incorrect Feedback
The correct answer is: .

Question 34b of 40 (3 Rationalizing the Denominator 478240)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 5

Question: Which choice is equivalent to the fraction below? Hint: Rationalize the denominator and simplify.

	Choice	Feedback
A.	$2 - \sqrt{3}$	
*B.	$-3 - 2\sqrt{2}$	
C.	$1 + \sqrt{2}$	
D.	$-3 - 2\sqrt{2}$	

Global Incorrect Feedback
The correct answer is: $-3 - 2\sqrt{2}$.

Question 34c of 40 (3 Rationalizing the Denominator 478241)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 5

Question: Which choice is equivalent to the fraction below? Hint: Rationalize the denominator and simplify.

$$\frac{2 - \sqrt{3}}{2 - \sqrt{2}}$$

	Choice	Feedback
A.	$2 - \sqrt{3}$	
*B.	$3 + 2\sqrt{2}$	
C.	$1 + \sqrt{2}$	
D.	$-3 - 2\sqrt{2}$	

Global Incorrect Feedback
The correct answer is: $3 + 2\sqrt{2}$.

Question 35a of 40 (2 Monomials with like terms 478242)

Maximum Attempts: 1

Question Type: Multiple Response

Maximum Score: 5

Question: Which of the following are like terms? Check all that apply.

Correct Answers:

	Choice
A.	
B.	
*C.	
*D.	
E.	

Attempt	Incorrect Feedback
1st	

	Correct Feedback

Global Incorrect Feedback	
	The correct answers are: $4xy^3$ and xy^3 and 2 and 3 .

Question 35b of 40 (2 Monomials with like terms 478243)

Maximum Attempts: 1

Question Type: Multiple Response

Maximum Score: 5

Question: Which of the following are like terms? Check all that apply.

Correct Answers:

	Choice
A.	$-3g^2h$ and $7g^2h$
*B.	7 and 0
*C.	$8xy^3$ and $-3xy^3$
*D.	xyz and $-6xyz$
E.	$9ab^2c$ and $2ab^2c^2$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

Global Incorrect Feedback	
	The correct answers are: 7 and 0 , $8xy^3$ and $-3xy^3$, and xyz and $-6xyz$.

Question 35c of 40 (2 Monomials with like terms 478244)

Maximum Attempts: 1

Question Type: Multiple Response

Maximum Score: 5

Question: Which of the following are like terms? Check all that apply.

Correct Answers:

	Choice
*A.	
B.	
C.	
*D.	
E.	

Attempt	Incorrect Feedback
1st	

	Correct Feedback

Global Incorrect Feedback	
The correct answers are: $-7a+17$ and $-3x^3y^3$ and $4x^3y^3$.	

Question 36a of 40 (3 Adding Monomials 478245)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 5
Question: What is the sum of the following monomials?

$$8x^2y + 7x^2y$$

	Choice	Feedback
*A.	$15x^2y$	
B.	$56x^2y$	
C.	$15x^4y^2$	
D.	$15x^4y^2$	

Global Incorrect Feedback
The correct answer is: $15x^2y$.

Question 36b of 40 (3 Adding Monomials 478246)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 5
Question: What is the sum of the following monomials?

$$2ab + 4ab$$

	Choice	Feedback
*A.	$7ab$	
B.	$6ab$	
C.		
D.		

Global Incorrect Feedback
The correct answer is .

Question 36c of 40 (3 Adding Monomials 478247)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 5
Question: What is the sum of the following monomials?

	Choice	Feedback
*A.	$7x^4y^3$	
B.	$12x^2y^3$	
C.	$12x^4y^0$	
D.	$7x^4y^3$	

Global Incorrect Feedback
The correct answer is: $7x^4y^3$.

Question 37a of 40 (3 Multiplying Monomials 478248)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 5

Question: What is the product of the following monomials?

$$8a^2 \cdot 5a^2b$$

	Choice	Feedback
*A.	$-40a^3b^3$	
B.	$25a^3b^3$	
C.	$\frac{2b}{a}$	
D.	$\frac{40b}{a}$	

Global Incorrect Feedback
The correct answer is: $-40a^3b^3$.

Question 37b of 40 (3 Multiplying Monomials 478249)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 5

Question: What is the product of the following monomials?

	Choice	Feedback
*A.		
B.		
C.		
D.		

Global Incorrect Feedback
The correct answer is: .

Question 37c of 40 (3 Multiplying Monomials 478250)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 5
Question: What is the product of the following monomials?

$$50^2v^3 \cdot 60v^2$$

	Choice	Feedback
*A.	3000^3v^5	
B.	1000^3v^5	
C.	$100v$	
D.	$3000v$	

Global Incorrect Feedback
The correct answer is: 3000^3v^5 .

Question 38a of 40 (3 Advanced Proportions 478251)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 5
Correct Answer: 10
Question: Solve the equation for x.

$$\frac{6x+6}{7} = \frac{2x-7}{3}$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 10.

Question 38b of 40 (3 Advanced Proportions 478252)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 5
Correct Answer: 7
Question: Solve the equation for x.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 7.

Question 38c of 40 (3 Advanced Proportions 478253)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 5
Correct Answer: 29
Question: Solve the equation for x .

$$\frac{3x + 1}{7} = \frac{4x + 6}{5}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 29.

Question 39a of 40 (3 Advanced Proportions 478254)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 5
Correct Answer: -11
Question: Solve the equation for m .

$$\frac{6m + 1}{11m + 4} = \frac{5}{9}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: -11.

Question 39b of 40 (3 Advanced Proportions 478255)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 5
Correct Answer: 90
Question: Solve the equation for m .

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 90.

Question 39c of 40 (3 Advanced Proportions 478256)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 5
Correct Answer: 26
Question: Solve the equation for m .

$$\frac{m-8}{2m+5} = \frac{1}{3}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 26.

Question 40a of 40 (3 Advanced Proportions 478257)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 5
Correct Answer: 7
Question: Solve the equation for y .

$$\frac{y+8}{5} = \frac{y+2}{2}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 7.

Question 40b of 40 (3 Advanced Proportions 478258)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 5
Correct Answer: 4
Question: Solve the equation for y .

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 4.

Preview

Question 40c of 40 (3 Advanced Proportions 478259)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 5
Correct Answer: 29
Question: Solve the equation for y.

$$\frac{y-7}{2} = \frac{y-1}{6}$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 29.