PREVIEW

CLOSE

Quiz: Polynomial Division

Question 1a of 15 (3 Division of Polynomials 482984)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2
Is Case Sensitive: false

Correct Answer: $18x^7 + 2x^4 - x$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as *x*^2.

$$(72x^8 + 8x^5 - 4x^2) \div (4x)$$

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	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $18x^7 + 2x^4 - x$.

Question 1b of 15 (3 Division of Polynomials 482985)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

Correct Answer: $12x^6 - 2x^5 + 3x$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as x^2.

$$(48x^8 - 8x^7 + 12x^3) \div (4x^2)$$

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	Correct Feedback	
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	The correct answer is: $12x^6 - 2x^5 + 3x$.	

Question 1c of 15 (3 Division of Polynomials 482986)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2
Is Case Sensitive: false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\wedge}$) for exponents; for example, enter x^2

as x^2.

$$(16x^3 - 56x^2 + 8x)$$
 $(8x)$

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The correct answer is: $2x^2 - 7x + 1$.

Question 2a of 15 (3 Division of Polynomials 482987)

Maximum Attempts:

Question Type: Text Fill In Blank

Maximum Score: Is Case Sensitive: false **Correct Answer:** $3x^2 - x$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as x^2.

$$(21x^3 - 7x^2) \div (7x)$$

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	The correct answer is: $3x^2 - x$.

Question 2b of 15 (3 Division of Polynomials 482988)

Maximum Attempts:

Text Fill In Blank **Question Type:**

Maximum Score: 2 Is Case Sensitive: false **Correct Answer:** -2x^3 - 3x

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

as x^2.

$$(-8x^7 - 12x^5)$$
 $(4x^4)$

Attempt	Incorrect Feedback	
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	The correct answer is: $-2x^3 - 3x$.	

Question 2c of 15 (3 Division of Polynomials 482989)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score:2Is Case Sensitive:falseCorrect Answer: $3x^3 - 4x$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as *x*^2.

$$(9x^6 - 12x^4) \div (3x^3)$$

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	The correct answer is: $3x^3 - 4x$.	

Question 3a of 15 (3 Division of Polynomials 482990)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as x^2.

$$(5x^6 - 10x^5 - 15x^2) \div (5x^2)$$

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	The correct answer is: x^4 - $2x^3$ - 3.

Question 3b of 15 (3 Division of Polynomials 482991)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2
Is Case Sensitive: false

Correct Answer: $-2x^4 + 6x^2 + 1$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\circ}$) for exponents; for example, enter x^2 as x^2 .

 $(-6x^7 + 18x^5 + 3x^3)$ $(3x^3)$

1st	
	Correct Feedback

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The correct answer is: $-2x^4 + 6x^2 + 1$.

Question 3c of 15 (3 Division of Polynomials 482992)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as x^2.

$$(-4x^3 + 20x^2 + 8x) \div (4x)$$

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

Question 4a of 15 (3 Division of Polynomials 482993)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2
Is Case Sensitive: false

Correct Answer: $-2x^5 - 3x + 9$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as *x*^2.

$$(6x^6 + 9x^2 - 27x) \div (-3x)$$

Attempt	Incorrect Feedback
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	The correct answer is: $-2x^5 - 3x + 9$.

Question 4b of 15 (3 Division of Polynomials 482994)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\circ}$) for exponents; for example, enter x^2

as *x*^2.

 $(16x^5 + 4x^3 - 8x)$ (-4x)

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

Question 4c of 15 (3 Division of Polynomials 482995)

Maximum Attempts:

Question Type: Text Fill In Blank

Maximum Score: 2 Is Case Sensitive: false

Correct Answer: $-9x^2 - 2x + 4$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

 $(45x^3 + 10x^2 - 20x) \div (-5x)$

Attempt	Incorrect Feedback
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	The correct answer is: $-9x^2 - 2x + 4$.

Question 5a of 15 (3 Division of Polynomials 482996)

Maximum Attempts:

Question Type: Text Fill In Blank

Maximum Score: Is Case Sensitive: false **Correct Answer:** -5x^2 - 8x

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 Question:

as x^2.

 $(40x^3 + 64x^2)$ (-8x)

Attempt	Incorrect Feedback
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	The correct answer is: $-5x^2 - 8x$.

Question 5b of 15 (3 Division of Polynomials 482997)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: -4×04 + 2

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\wedge}$) for exponents; for example, enter x^2

as *x*^2.

 $(36x^5 - 18x^2) \div (-9x)$

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

Question 5c of 15 (3 Division of Polynomials 482998)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as *x*^2.

 $(11x^6 - 22x^3) \div (-11x)$

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	The correct answer is: $-x^5 + 2x^2$.

Question 6a of 15 (3 Division of Polynomials 482999)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2
Is Case Sensitive: fals

Correct Answer: $10x^4 - 4x^3 + x - 3$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as *x*^2.

 $(50x^6 - 20x^5 + 5x^3 - 15x^2)$ $(5x^2)$

Attempt	Incorrect Feedback
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Global Incorrect Feedback
The correct answer is: $10x^4 - 4x^3 + x - 3$.

Question 6b of 15 (3 Division of Polynomials 483000)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2
Is Case Sensitive: false

Correct Answer: $8x^3 + 4x^2 - 3x + 3$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as x^2 .

$$(40x^5 + 20x^4 - 15x^3 + 15x^2) \div (5x^2)$$

Attempt	Incorrect Feedback
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	The correct answer is: $8x^3 + 4x^2 - 3x + 3$.

Question 6c of 15 (3 Division of Polynomials 483001)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2
Is Case Sensitive: false

Correct Answer: $-15x^5 + 18x^4 + 4x + 3$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as x^2.

$$(-60x^7 + 72x^6 + 16x^3 + 12x^2) \div (4x^2)$$

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	The correct answer is: $-15x^5 + 18x^4 + 4x + 3$.	

Question 7a of 15 (3 Division of Polynomials 483002)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

Correct Answer: $10x^5 + 2x^4 + x$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\circ}$) for exponents; for example, enter x^2

as x^2 .

 $(60x^7 + 12x^6 + 6x^3)$ $(6x^2)$

Attempt	Incorrect Feedback
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	The correct answer is: $10x^5 + 2x^4 + x$.

Question 7b of 15 (3 Division of Polynomials 483003)

Maximum Attempts:

Question Type: Text Fill In Blank

Maximum Score: 2 Is Case Sensitive: false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

$$(8x^6 + 24x^4 - 32x^3) \div (8x^2)$$

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

Question 7c of 15 (3 Division of Polynomials 483004)

Maximum Attempts:

Question Type: Text Fill In Blank

Maximum Score: Is Case Sensitive: false

. . .

Correct Answer: $12x^4 + 2x^3 - x$

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 Question:

$$(144x^6 + 24x^5 - 12x^3)$$
 $(12x^2)$

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The correct answer is: $12x^4 + 2x^3 - x$.

Question 8a of 15 (3 Division of Polynomials 483005)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as *x*^2.

 $(45x^8 - 15x^5 - 30x^3) \div (15x^3)$

Attempt	Incorrect Feedback
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	The correct answer is: $3x^5 - x^2 - 2$.

Question 8b of 15 (3 Division of Polynomials 483006)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

Correct Answer: $10x^3 - 3x^2 + 2x$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as *x*^2.

 $(40x^5 - 12x^4 + 8x^3) \div (4x^2)$

Attempt	Incorrect Feedback
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	The correct answer is: $10x^3 - 3x^2 + 2x$.

Question 8c of 15 (3 Division of Polynomials 483007)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

Correct Answer: $2x^6 + x^4 + 4x^3$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as *x*^2.

 $(12x^9 + 6x^7 + 24x^6)$ $(6x^3)$

Attempt	Incorrect Feedback
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The correct answer is: $2x^6 + x^4 + 4x^3$.

Question 9a of 15 (3 Division of Polynomials 483008)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as x^2.

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

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

Question 9b of 15 (3 Division of Polynomials 483009)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as x^2 .

$$(-5x^3 + 10x^2 - 5x) \div (5x)$$

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		The correct answer is: $-x^2 + 2x - 1$.

Question 9c of 15 (3 Division of Polynomials 483010)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\circ}$) for exponents; for example, enter x^2

as *x*^2.

 $(-7x^4 + 14x^3 - 14x)$ (7x)

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	The correct answer is: $-x^3 + 2x^2 - 2$.

Question 10a of 15 (3 Division of Polynomials 483011)

Maximum Attempts:

Question Type: Text Fill In Blank

Maximum Score: 2 Is Case Sensitive: false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as x^2.

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

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

Question 10b of 15 (3 Division of Polynomials 483012)

Maximum Attempts:

Question Type: Text Fill In Blank

Maximum Score: Is Case Sensitive: false

 $-2x^3 + x^2 + 3x - 2$ **Correct Answer:**

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 Question:

$$(-6x^4 + 3x^3 + 9x^2 - 6x)$$
 (3x)

Attempt	Incorrect Feedback
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The correct answer is: $-2x^3 + x^2 + 3x - 2$.

Question 10c of 15 (3 Division of Polynomials 483013)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as *x*^2.

$$(-9x^4 + 18x^3 + 9x^2 - 27x) \div (9x)$$

Attempt	Incorrect Feedback
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	The correct answer is: $-x^3 + 2x^2 + x - 3$.

Question 11a of 15 (3 Division of Polynomials 483014)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

Correct Answer: $-13x^4 + 18x^3$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as x^2.

$$(-13x^4 + 18x^3) \div (1)$$

Attempt	Incorrect Feedback
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	The correct answer is: $-13x^4 + 18x^3$.

Question 11b of 15 (3 Division of Polynomials 483015)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score:2Is Case Sensitive:false

Correct Answer: $83x^3 - 37x$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as *x*^2.

$$(83x^3 - 37x)$$
 (1)

Attempt	Incorrect Feedback
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Global Incorrect Feedback The correct answer is: 83x³ - 37x.

Question 11c of 15 (3 Division of Polynomials 483016)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2
Is Case Sensitive: false

Correct Answer: $42x^3 - 73x^2$

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as x^2.

 $(42x^3 - 73x^2) \div (1)$

Attempt	Incorrect Feedback
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	The correct answer is: $42x^3 - 73x^2$.

Question 12a of 15 (1 Division of Polynomials 483017)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score:2Is Case Sensitive:falseCorrect Answer:reciprocal

Question: To divide a polynomial by a monomial, you need to multiply the polynomial by

the _____ of the monomial.

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	The correct answer is: reciprocal.

Question 12b of 15 (1 Division of Polynomials 483018)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score:2Is Case Sensitive:falseCorrect Answer:multiply

Question: To divide a polynomial by a monomial, you need to _____ the

polynomial by the reciprocal of the monomial.

Attempt	Incorrect Feedback
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This version of Total HTML Converter is unregistered. Global Incorrect Feedback The correct answer: multiply.

Question 12c of 15 (1 Division of Polynomials 483019)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score:2Is Case Sensitive:falseCorrect Answer:reciprocal

Question: To divide a polynomial by a monomial, you need to multiply the polynomial by

he _____ of the monomial.

Attempt	Incorrect Feedback
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Global Incorrect Feedback The correct answer is: reciprocal.

Question 13a of 15 (1 Division of Polynomials 483020)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score:2Is Case Sensitive:falseCorrect Answer:monomial

Question: After you divide a polynomial by a monomial, you can check your answer by

multiplying it by the original _____

Attempt	Incorrect Feedback
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Correct Feedback

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The correct answer is: monomial.

Question 13b of 15 (1 Division of Polynomials 483021)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score:2Is Case Sensitive:falseCorrect Answer:monomial

Question: After you divide a polynomial by a monomial, you can check your answer by

multiplying it by the original _____

Attempt	Incorrect Feedback
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	Correct Feedback

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	The correct answer is: monomial.

Question 13c of 15 (1 Division of Polynomials 483022)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score:2Is Case Sensitive:falseCorrect Answer:monomial

Question: After you divide a polynomial by a monomial, you can check your answer by

multiplying it by the original _

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

Question 14a of 15 (3 Division of Polynomials 483023)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2 **Is Case Sensitive:** false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\circ}$) for exponents; for example, enter x^2

as *x*^2.

 $(x^7 + x^5 + x^3) \div (x^2)$

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	Correct Feedback
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	The correct answer is: $x^5 + x^3 + x$.

Question 14b of 15 (3 Division of Polynomials 483024)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score:2Is Case Sensitive:false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as *x*^2.

 $(x^6 + x^5 + x^4)$ (x^3)

Attempt	Incorrect Feedback
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The correct answer is: $x^3 + x^2 + x$.

Question 14c of 15 (3 Division of Polynomials 483025)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2
Is Case Sensitive: false

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

Question: Divide the polynomial by the monomial. Enter your answer as a polynomial in

descending order, using the caret ($^{\land}$) for exponents; for example, enter x^2

as x^2.

$$(x^8 + x^6 + x^5) \div (x^4)$$

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

Question 15a of 15 (2 Division of Polynomials 483026)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score:2Is Case Sensitive:falseCorrect Answer:zero, 0

Question: For what value of x would the quotient $(3x^4 + 6x^3) \div (3x^2)$ not make sense?

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

Question 15b of 15 (2 Division of Polynomials 483027)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score:2Is Case Sensitive:falseCorrect Answer:zero, 0

Question: For what value of x would the quotient $(5x^4 + 10x^3)$ $(10x^2)$ not make

sense?

Attempt	Incorrect Feedback
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Correct Feedback

Global Incorrect Feedback
The correct answer is: zero.

Question 15c of 15 (2 Division of Polynomials 483028)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score:2Is Case Sensitive:falseCorrect Answer:zero, 0

Question: For what value of x would the quotient $(18x^4 + 12x^3) \div (6x^2)$ not make

sense?

Attempt	Incorrect Feedback
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	Correct Feedback

Global Incorrect Feedback
The correct answer is: zero.