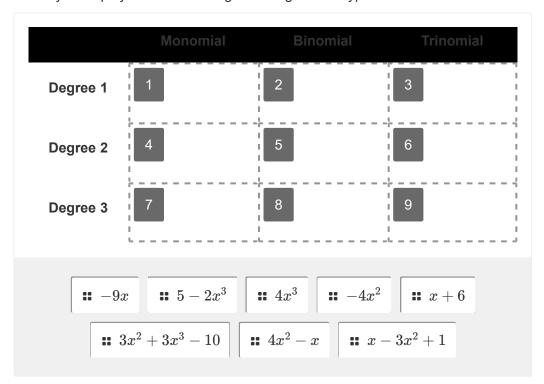
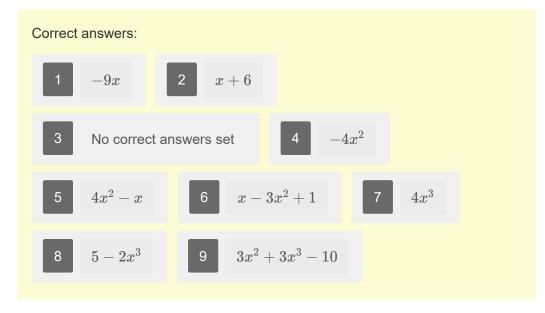
## **Mid Chapter Quiz**

1. Classify each polynomial according to its degree and type.





Algebra 1: CC 2019>Chapter 7>End-Of-Chapter>Mid Chapter Quiz> Question #1

2. Find the sum. Write your answer in standard form.

$$(6x^3+3x^2+3)+(2x^3-5x+1)$$

The sum is 1

Correct answers:

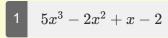
Algebra 1: CC 2019>Chapter 7>End-Of-Chapter>Mid Chapter Quiz> Question #2

3. Find the difference. Write your answer in standard form.

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

The difference is 1

Correct answers:



Algebra 1: CC 2019>Chapter 7>End-Of-Chapter>Mid Chapter Quiz> Question #3

<sup>4.</sup> Find (2x+1)(x-2) using the table of products. Write your answer in standard form.

	2x	1
x	1	2
3	4	5

The product is 6

Correct answers:



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

Algebra 1: CC 2019>Chapter 7>End-Of-Chapter>Mid Chapter Quiz> Question #4

5. Find  $(x+4)(x^2+x-2)$ . Write your answer in standard form.

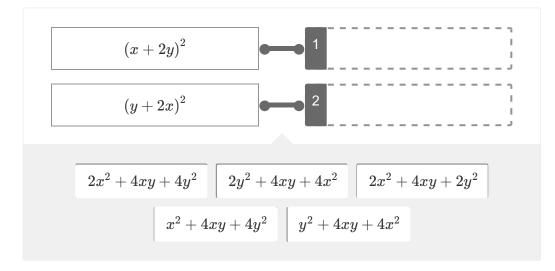
The product is 1

Correct answers:

1 
$$x^3 + 5x^2 + 2x - 8$$

Algebra 1: CC 2019>Chapter 7>End-Of-Chapter>Mid Chapter Quiz> Question #5

6. Identify each product.



Correct answers:

1  $x^2 + 4xy + 4y^2$  2  $y^2 + 4xy + 4x^2$ 

Algebra 1: CC 2019>Chapter 7>End-Of-Chapter>Mid Chapter Quiz> Question #6

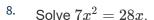
7. Which expression is equivalent to (4-2x)(4+2x)?

- $\bigcirc (16-2x)^2$
- $\bigcirc (16+2x)^2$
- $\bigcirc$  4 4 $x^2$

 $016-4x^2$ 

- $0 16 8x + 4x^2$
- $016-8x-4x^2$
- $\bigcirc 16 16x 4x^2$

Algebra 1: CC 2019>Chapter 7>End-Of-Chapter>Mid Chapter Quiz> Question #7



The roots are  $x = \begin{bmatrix} 1 \end{bmatrix}$  and  $x = \begin{bmatrix} 2 \end{bmatrix}$ .

## Correct answers:

1 0 2

Algebra 1: CC 2019>Chapter 7>End-Of-Chapter>Mid Chapter Quiz> Question #8

9. Solve  $x^2 + 5 = 21$ .

The roots are  $x = \begin{bmatrix} 1 \end{bmatrix}$  and  $x = \begin{bmatrix} 2 \end{bmatrix}$ 

## Correct answers:

1 4 2

Algebra 1: CC 2019>Chapter 7>End-Of-Chapter>Mid Chapter Quiz> Question #9

The path of a ball kicked from the ground can be modeled by the equation  $y=-\frac{1}{4}(x-2)\,(x-22)$ , where x and y are measured in feet. The x-axis represents the ground. How far does the ball land from where it is kicked?

The ball lands 1 feet from where it is kicked.

## Correct answers:

1 :

20

 $Algebra\ 1:\ CC\ 2019>Chapter\ 7>End-Of-Chapter> Mid\ Chapter\ Quiz>\ Question\ \#10$