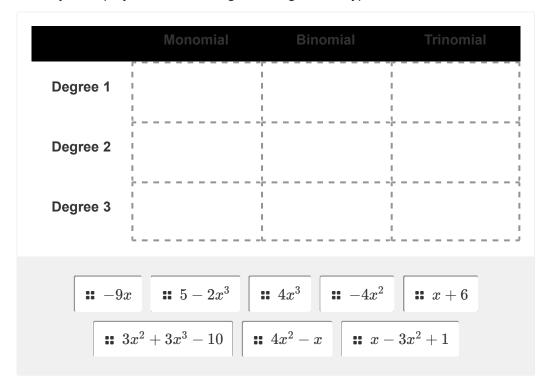
Mid Chapter Quiz

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



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

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

The sum is

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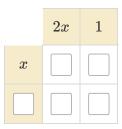
3. Find the difference. Write your answer in standard form.

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

The difference is

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^{4.} Find (2x+1)(x-2) using the table of products. Write your answer in standard form.



The product is ...

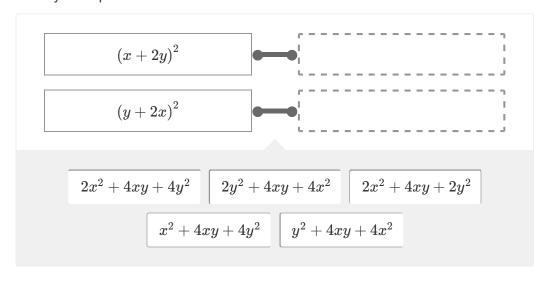
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5. Find $(x+4)(x^2+x-2)$. Write your answer in standard form.

The product is

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6. Identify each product.



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7.	Which expression is equivalent to $\left(4-2x ight)\left(4+2x ight)$?
	$\bigcirc (16-2x)^2$
	$\bigcirc \ (16+2x)^2$
	$\bigcirc \ 4-4x^2$
	$\bigcirc \ 16-4x^2$
	$\bigcirc 16 - 8x + 4x^2$
	$\bigcirc 16 - 8x - 4x^2$
	$\bigcirc \ 16-16x-4x^2$
	Algebra 1: CC 2019>Chapter 7>End-Of-Chapter>Mid Chapter Quiz> Question #7
8.	Solve $7x^2=28x$.
	The roots are $x=igsquare$ and $x=igsquare$.
	Algebra 1: CC 2019>Chapter 7>End-Of-Chapter>Mid Chapter Quiz> Question #8
9.	Solve $x^2+5=21.$
	The roots are $x=igsquare$ and $x=igsquare$.
	Algebra 1: CC 2019>Chapter 7>End-Of-Chapter>Mid Chapter Quiz> Question #9
10.	The path of a ball kicked from the ground can be modeled by the equation $y=-rac{1}{4}(x-2)(x-22)$, 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 feet from where it is kicked.
	Algebra 1: CC 2019>Chapter 7>End-Of-Chapter>Mid Chapter Quiz> Question #10