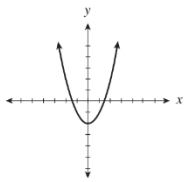
Quiz 4 Name: _____

1. Which of the following lines have a negative slope?

I.	$y+3=0$
II.	$2x+y=6$
III.	$(y+2)=-4(x-5)$

A. II only
B. III only
C. I and III only
D. II and III only

2. Which of the following relations are also functions?

I.	$\{(0,\ 2),\ (1,\ 4),\ (3,\ 6),\ (4,\ 5),\ (4,\ 3),\ (7,\ -8)\}$
II.	$y=2x+5$
III.	The output is 6 more than half the input.
IV.	

A. I only
B. I and IV only
C. II and III only
D. II, III and IV only

3. Which of the following statements are true for $2x+3y=6$?

I.	The y-intercept is -2.
II.	The line is parallel to $y=2x$.
III.	The slope-intercept form of the line is $y=\frac{2}{3}x+2$.
IV.	The range is all real numbers.

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B. I and II only
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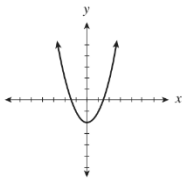
IV.	

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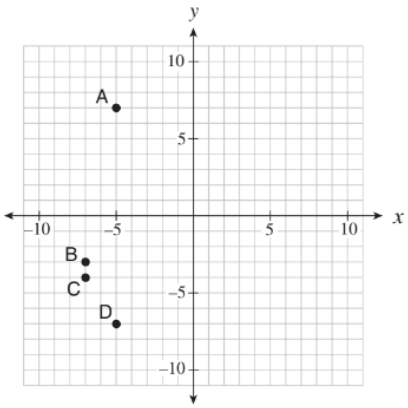
Determine the slope-intercept form of the line that passes through the point $(-4,\ 3)$ and is parallel to the line segment that joins $A(-1,\ -5)$ and $B(-3,\ 1)$.

A. $y = -3x - 9$
B. $y = -3x + 5$
C. $y = -3x + 15$
D. $y = 3x + 15$



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B. B
C. C
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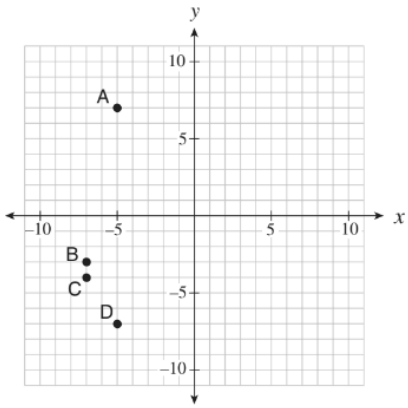

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Today's Topic:

Which of the following expressions is a factor of $x^2 - 8x - 20$?

A. $x - 2$
B. $x - 4$
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