Algebra I Practice F.LE.A.2: Families of Functions
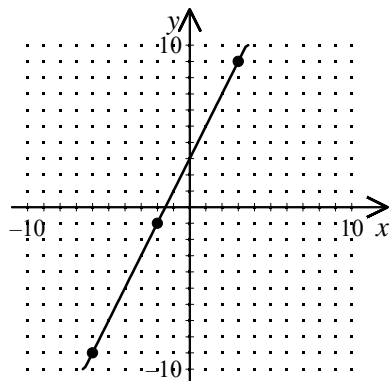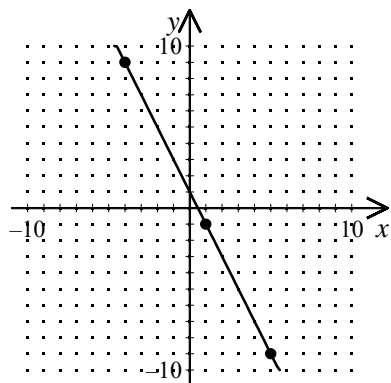
NAME:_____

1. Which of these equations is shown on the graph?

[A] $y = 2x$ [B] $y = 2x - 3$

[C] $y = 2x + 3$ [D] $y = 3x + 3$

2. Which of these equations is shown on the graph?

[A] $y = -2x - 1$ [B] $y = -2x$

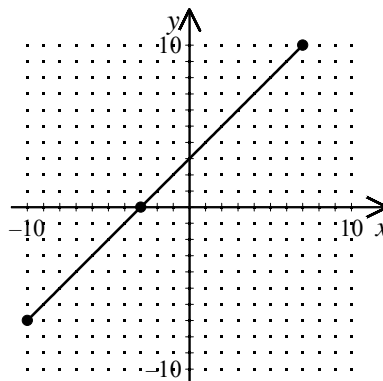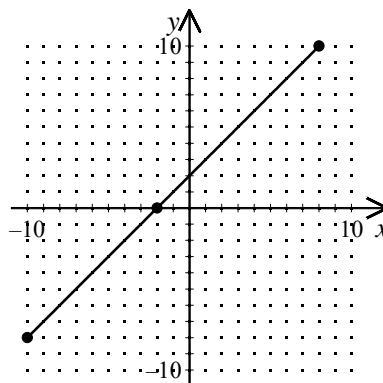[C] $y = -2x + 1$ [D] $y = x + 1$
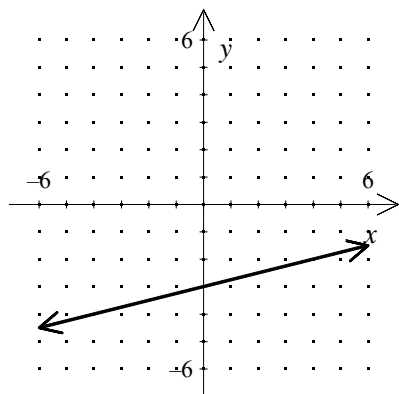
3. Which of these equations is shown on the graph?

[A] $y = 3x + 3$ [B] $y = x + 3$

[C] $y = x$ [D] $y = x - 3$
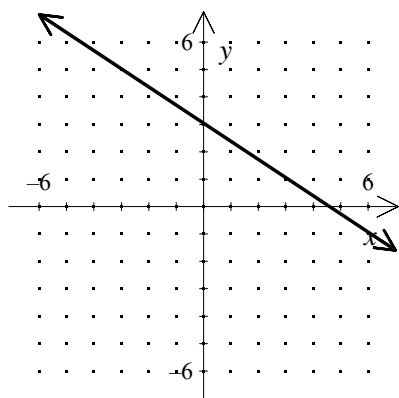
4. Which of these equations is shown on the graph?

[A] $y = x + 2$ [B] $y = x$

[C] $y = 2x + 2$ [D] $y = x - 2$
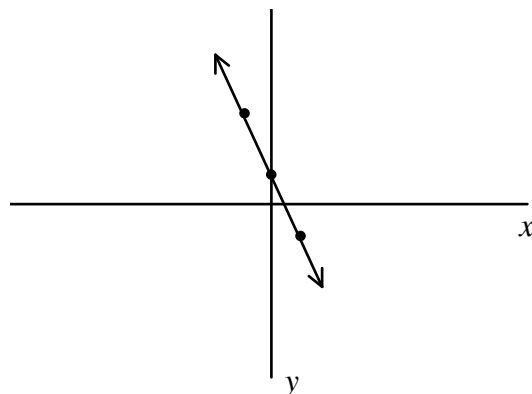
5. Which equation is correct for the line graphed below?

[A] $y = 4x + 3$ [B] $y = -\dfrac{1}{4}x - 3$

[C] $y = -4x - 3$ [D] $y = -\dfrac{1}{4}x + 3$

[E] $y = \dfrac{1}{4}x - 3$

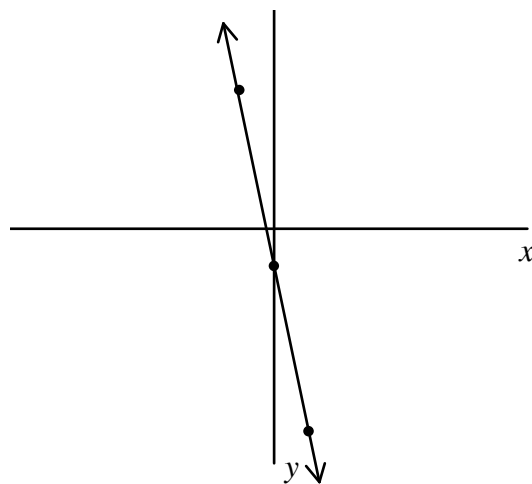6. Which equation is correct for the line graphed below?

[A] $y = -\dfrac{2}{3}x + 10$ [B] $y = -\dfrac{2}{3}x + 3$

[C] $y = -\dfrac{2}{3}x + 3\dfrac{1}{3}$ [D] $y = \dfrac{2}{3}x + 10$

[E] $y = -2x + 10$

7. The coordinate plane below shows the graph of which equation?

[A] $y = -2x + 1$ [B] $y = 2x - 1$

[C] $y = x + 3$ [D] $y = \dfrac{1}{2}x + 2$

8. The coordinate plane below shows the graph of which equation?

[A] $y = -5x - 1$ [B] $y = 6x - 1$

[C] $y = -x + 5$ [D] $y = 3x + 2$

[1] C_____

[2] C_____

[3] B_____

[4] A_____

[5] E_____

[6] B_____

[7] A_____

[8] A_____