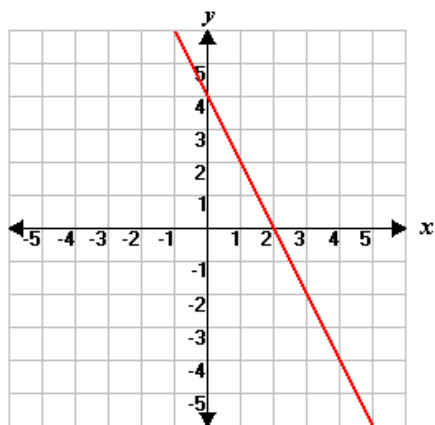Name:_____

1. Which of the following equations matches the graph below?

A. $y = -\frac{1}{2}x - 4$

B. $y = -\frac{1}{2}x + 4$

C. $y = -2x + 4$

D. $y = 2x - 4$

2. At what point does the line given by the following equation cross the y axis?
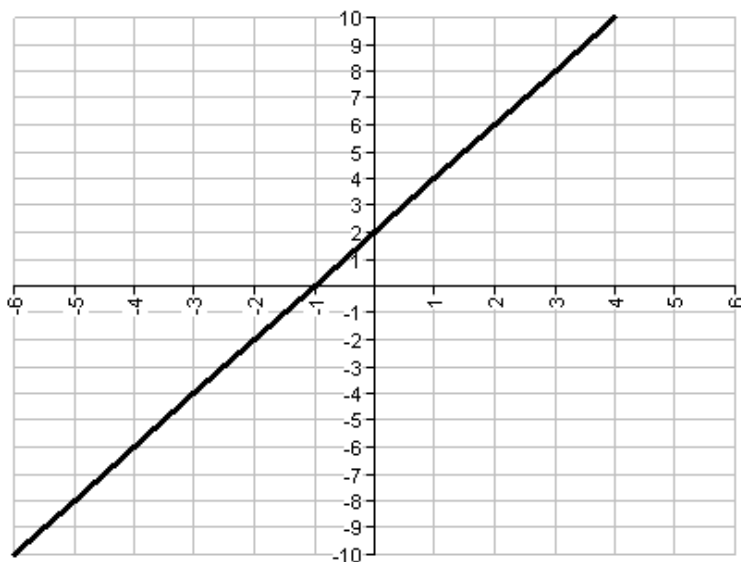
$y = (^{-3}/_7)x + 2$

A. $(0, 1\,^4/_7)$

B. $(0, ^{-6}/_7)$

C. $(0, 2)$

D. $(0, ^{-3}/_7)$

3. At what point does the line given by the following equation cross the y-axis?

$y = (^4/_9)x - 4$

A. $(0, ^4/_9)$

B. $(0, -4)$

C. $(0, ^9/_4)$

D. $(0, ^{-16}/_9)$

4. What is the slope of the line below?
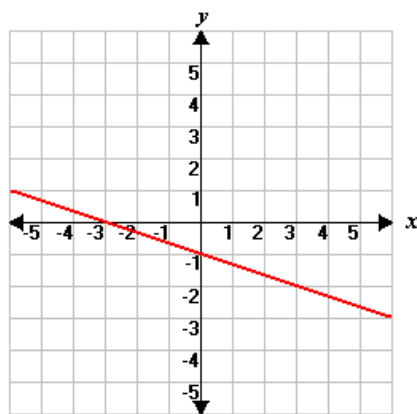

A. 2

B. $\frac{1}{2}$

C. -2

D. $-\frac{1}{2}$

5. A linear function has a slope of $\frac{5}{4}$ and passes through the point (0,-11). What is the equation of the line?

A. $y = \frac{5}{4}x - \frac{55}{4}$

B. $y = \frac{5}{4}x - 11$

C. $y = \frac{4}{5}x + 11$

D. $y = \frac{5}{4}x + 11$

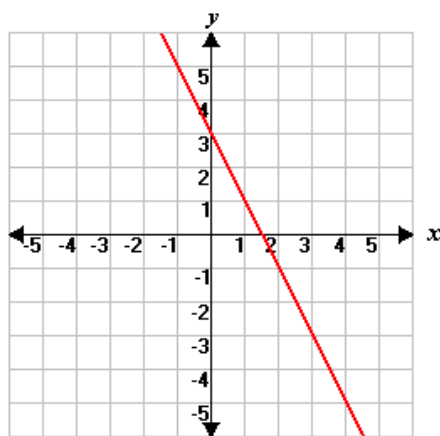6. Which of the following equations matches the graph below?

A. $y = 3x + 1$

B. $y = -3x - 1$

C. $y = -\frac{1}{3}x - 1$

D. $y = \frac{1}{3}x + 1$

7. A linear function has a y-intercept of 12 and a slope of 5. What is the equation of the line?

A. $y = 5x - 12$

B. $y = 5x + 60$

C. $y = \frac{1}{5}x + 12$

D. $y = 5x + 12$

8. Which of the following equations matches the graph below?

A. $y = -\frac{1}{2}x + 3$

B. $y = -2x + 3$

C. $y = \frac{1}{2}x - 3$

D. $y = 2x + 3$

9. Identify the slope of the line below.

$4x - 3y = -6$

A. $-\frac{4}{3}$

B. $\frac{4}{3}$

C. -2

D. 2

10. $2x - 4y = -8$

What is the y-intercept of the equation above?

A. (2, 0)

B. (0, ½)

C. (-3, 0)

D. (0, 2)