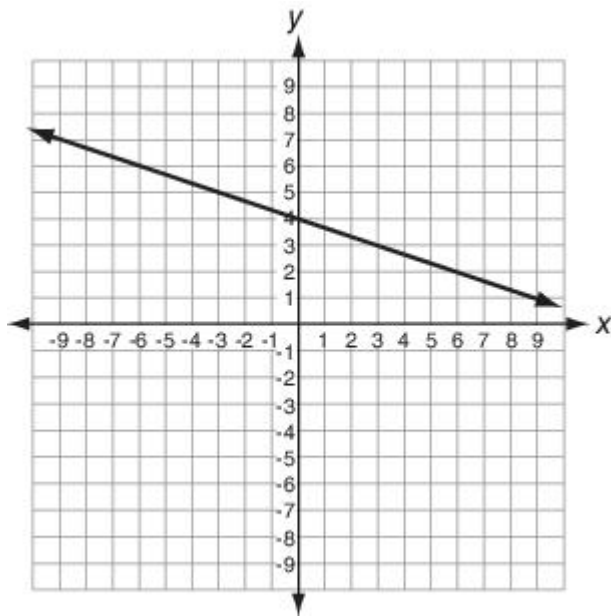


Directions: Please choose the best answer choice for each of the following questions.

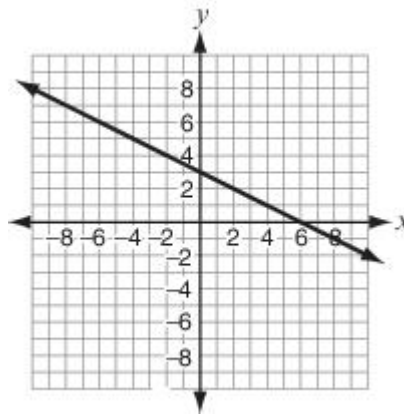
1. Bob wants to write the equation of a line perpendicular to a given equation. Which change should he make to the given equation to create such an effect?
- A. make the slope negative
 - B. make the slope its negative reciprocal
 - C. change the y -intercept to its reciprocal
 - D. change the x -intercept to its reciprocal

2. Which function is shown in the graph below?



- A. $f(x) = -\frac{1}{3}x + 4$
- B. $f(x) = -3x + 4$
- C. $f(x) = \frac{1}{3}x + 4$
- D. $f(x) = 3x + 4$

3. Mrs. Martin graphed a line on this coordinate plane.



She asked her students to write an equation for a line that would be parallel to her line. Which student response is correct?

- A. $y = -\frac{1}{2}x - 3$
 - B. $y = -2x - 3$
 - C. $y = \frac{1}{2}x - 3$
 - D. $y = 2x - 3$
4. Which linear equation passes through the point $(-5, 3)$ and has a slope of 2?
- A. $y = 2x - 7$
 - B. $y = 2x - 8$
 - C. $y = 2x + 10$
 - D. $y = 2x + 13$
5. What is the equation of the line with intercepts $(0, 3)$ and $(-3, 0)$?
- A. $y = x + 3$
 - B. $y = x - 3$
 - C. $y = 3x + 1$
 - D. $y = 3x - 1$

Stop! You have finished this exam.