

Name \_\_\_\_\_

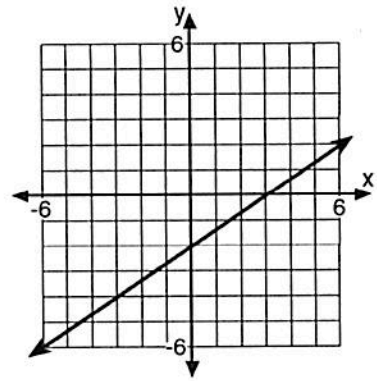
Date \_\_\_\_\_

Mrs. Roubos

8R Period \_\_\_\_\_

Equation of a line Homework

1)



What is the equation of the given graphed line?

- A)  $y = \frac{3}{2}x - 2$
- B)  $y = -\frac{2}{3}x - 2$
- C)  $y = \frac{2}{3}x - 2$
- D)  $y = -\frac{3}{2}x - 2$

3) The graph of which equation has a slope of 3 and a y-intercept of -4?

- A)  $y = -4x - 3$
- B)  $y = 3x - 4$
- C)  $y = 3x + 4$
- D)  $y = -4x + 3$

4) Find the slope of the graph of the given equation:

$y - 4x = 7$

5) What is the slope of the line whose equation is  $2y = 3x + 6$ ?

- A) 6
- B) 3
- C)  $\frac{2}{3}$
- D)  $\frac{3}{2}$

2) Determine the slope and y-intercept of the line  $y = 3x - 6$ .

6) Write an equation of a line whose slope is 2 and whose y-intercept is -3.

8) The graph of which equation has a slope of -2 and a y-intercept of 3?

A)  $y = -2x + 3$

C)  $y = 3x + 2$

B)  $y = -2x - 3$

D)  $y = 3x - 2$

7) Determine the slope and y-intercept of the line  $y = 2x + 1$ .