

## SECTION 3.5: GRAPHING LINEAR EQUATIONS IN SLOPE – INTERCEPT FORM (PART I – SLOPE)

Homework: \_\_\_\_\_

### Learning Targets:

- 3e. Understanding of how to graph a linear function using tables, intercepts, and slope-intercept form.
- 3f. Understanding how to find the slope from a graph, a table, a word problem, and two points.

Slope: \_\_\_\_\_; \_\_\_\_\_; rate of \_\_\_\_\_

### Types of Slope

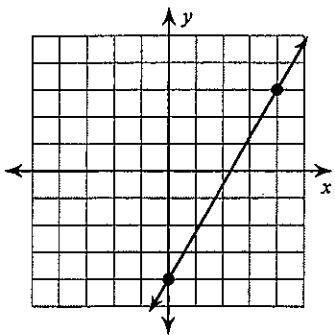
Find the slope and direction of the line that passes through the given points.

A(2, -4), B(5, -1)

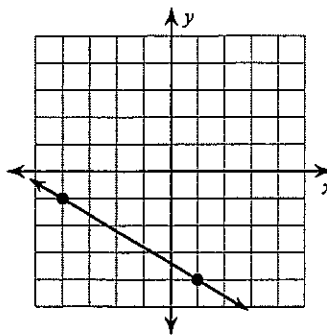
A(-4, 3), B(-4, 2)

Find the slope of each line.

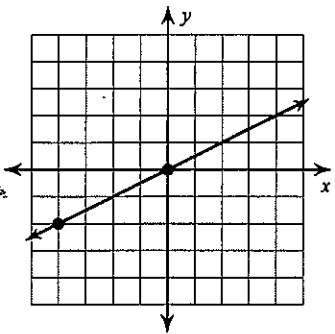
1)



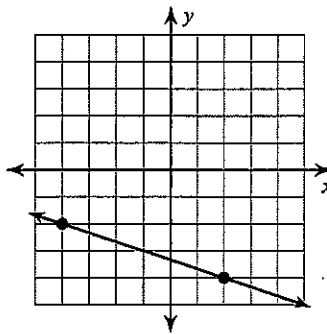
2)



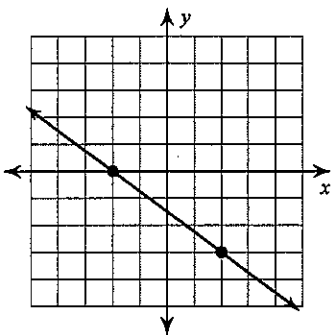
3)



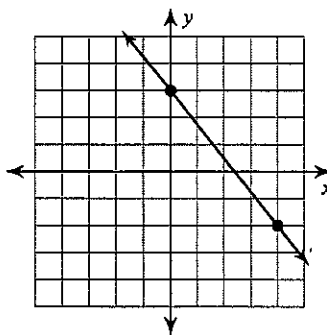
4)



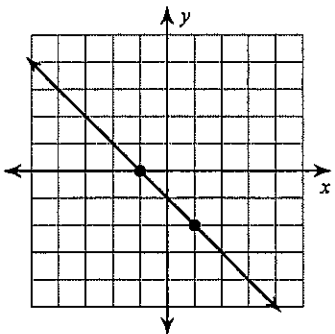
5)



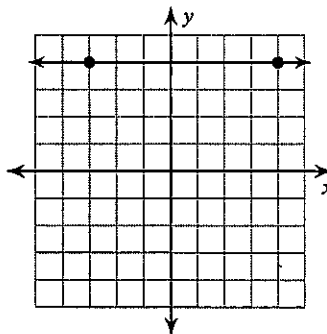
6)



7)

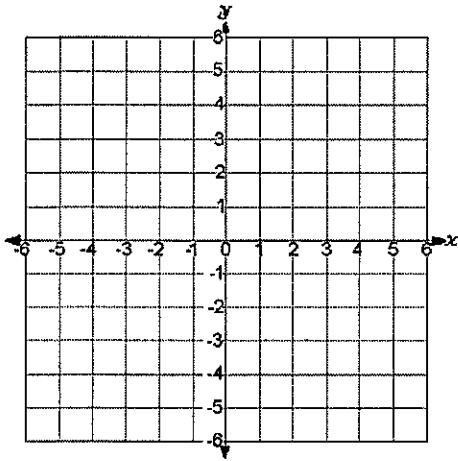


8)

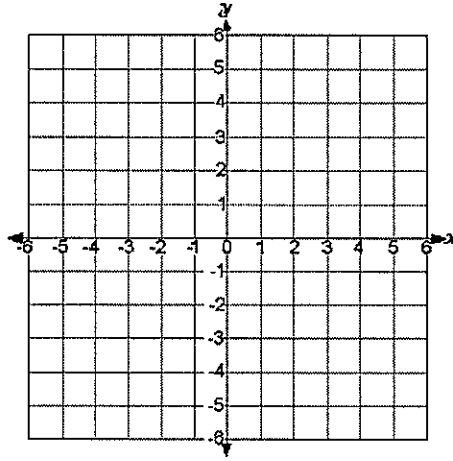


Graph the line that has the given slope and passes through the given point.

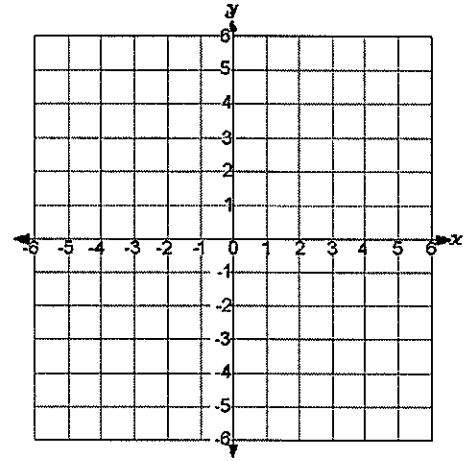
11.  $m = \frac{1}{2}; (5, -2)$



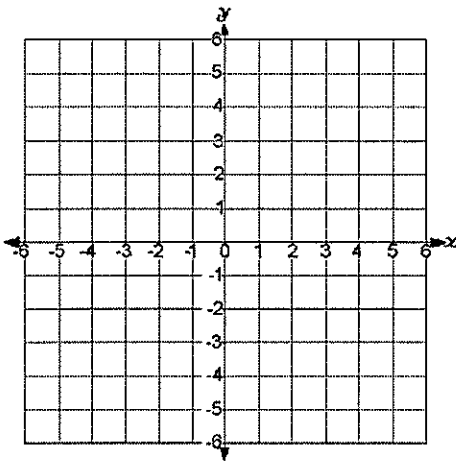
12.  $m = -3; (0, 4)$



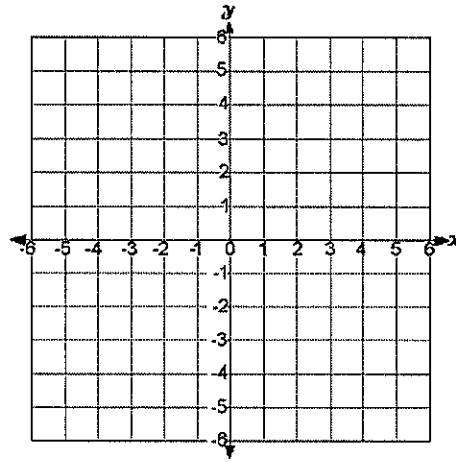
13.  $m = \frac{3}{4}; (2, 0)$



14.  $m = 4; (-1, -3)$



15.  $m = -\frac{2}{5}; (2, -3)$



16.  $m = -2; (-1, 4)$

