

Remediation

Name _____

Unit 2 Objective 4

Section _____

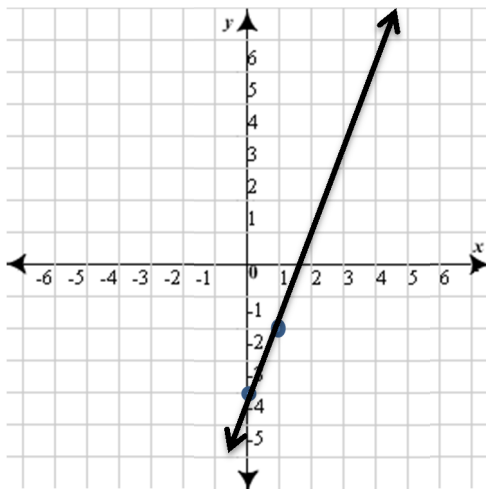
Determine the slope of a line given a graph.

To find the slope of a line from a graph, two points must be found that the coordinates can be easily found. Coordinates that are easily found are from points that are found on the graph where the horizontal and vertical lines of the grid intersect. Once these two points are found, the slope can be determined one of two ways.

Method 1: Use the formula $m = \frac{y_2 - y_1}{x_2 - x_1}$.

Two points where the coordinates are easily are (0, -4) and (1, -2). Using the formula, $m = \frac{y_2 - y_1}{x_2 - x_1}$

$$m = \frac{-2 - (-4)}{1 - 0} = \frac{2}{1} = 2$$

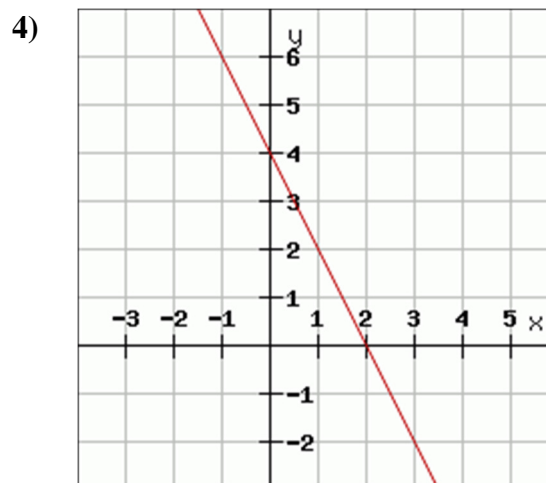
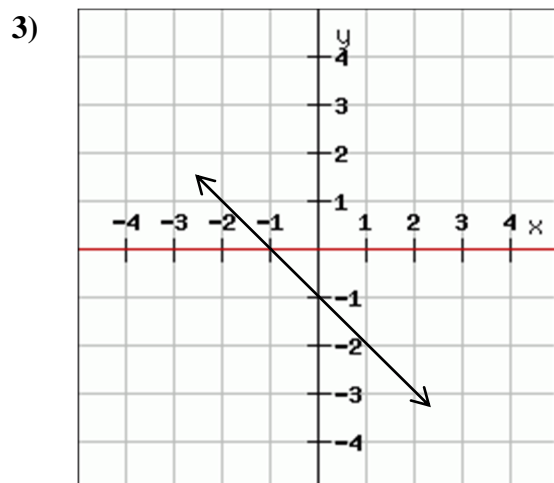
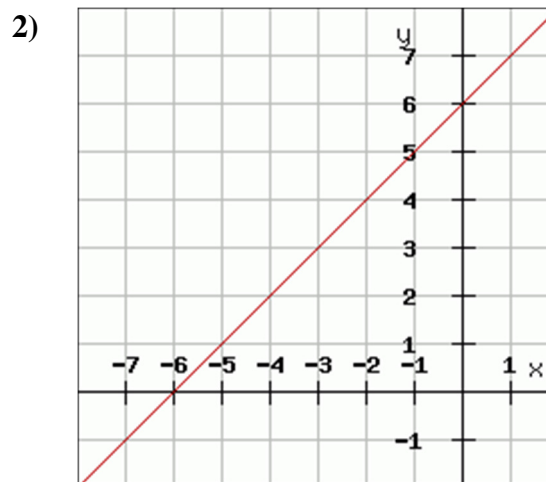
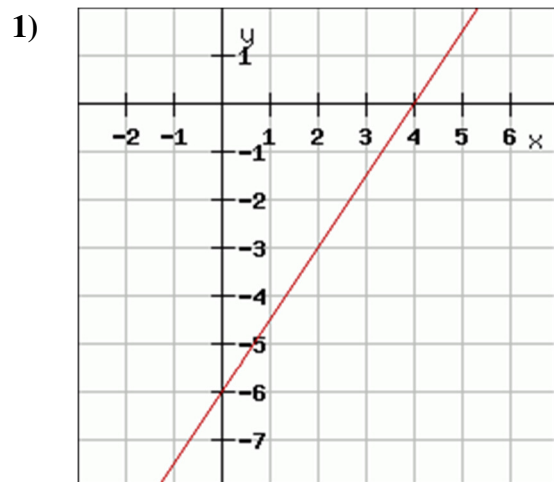


Method 2: Use $\frac{\text{rise}}{\text{run}}$ on the graph. Remember that graphs that point up on the right side have positive slope and graphs that point down on the right side have negative slope.

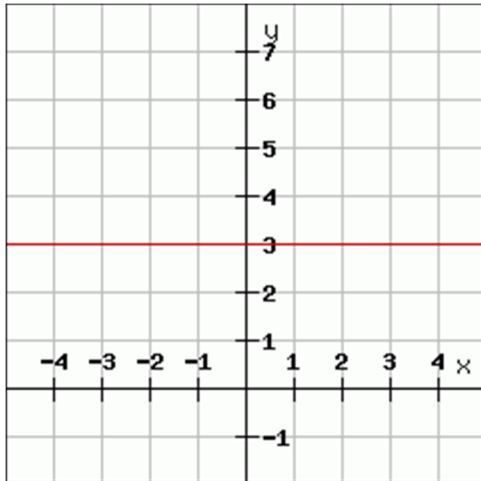
Start at (0,-4) and go to (1,-2). The graph rises 2 blocks and runs 1 block. That makes $m = \frac{2}{1} = 2$.

Find the slope of each of these graphs using either Method 1 or Method 2.

Find the Slope of the Line



5)



6)

