8.8 Slope Review January 27, 2021

Find the slope of the line that contains each pair of points.

a.)
$$(3, 4)$$
 $(5, 8)$ b.) $(-2, -9)$ $(-3, -6)$

$$M = \underbrace{y_2 - y_1}_{X_2 - X_1} = \underbrace{\frac{8}{5} - 3}_{-3} \qquad M = \underbrace{\frac{y_2 - y_1}{x_2 - X_1}}_{-3 + +2} = \underbrace{\frac{3}{-1}}_{-1}$$

$$= \underbrace{\frac{4}{7} - 2}_{-2}$$

$$M = \underbrace{\frac{3}{7} - 3}_{-1}$$

Find the slope of the line that contains each pair of points.

c.)
$$(6, -4)$$
 $(8, -4)$ $(8, -4)$ $(8, -4)$ $(-5, -1)$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-4 + 44}{8 - 6}$
 $M = \frac{9^2 - 9_1}{x_2 - x_1} = \frac{-1 - 3}{-5 - 2}$
 $M = \frac{9}{2}$
 $M = \frac{9}{2}$
 $M = \frac{9}{2}$
 $M = \frac{9}{2}$
 $M = \frac{9}{2}$

Find the slope of the line that contains each pair of points.

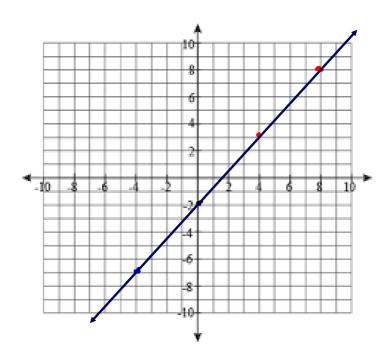
e.)
$$(7, 2)$$
 $(7, -2)$ f.) $(-5, 7)$ $(1, -2)$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 2}{7 - 7}$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 7}{7 - 7}$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 7}{7 - 7}$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 7}{7 - 7}$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 7}{7 - 7}$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 7}{7 - 7}$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 7}{7 - 7}$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 7}{7 - 7}$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 7}{7 - 7}$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 7}{7 - 7}$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 7}{7 - 7}$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 7}{7 - 7}$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 7}{7 - 7}$
 $M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 7}{7 - 7}$

$$\frac{2}{7} \qquad M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 7}{1 + 15} \\
= -9 = 3 \\
M = \frac{-3}{2}$$

Graph the line with the given point and slope.

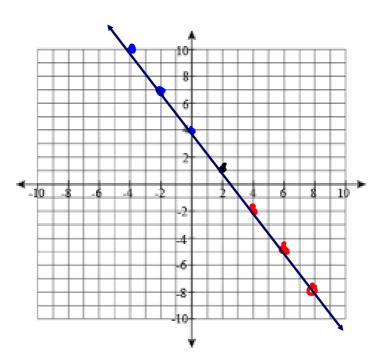
Point: (0, -2)

Slope: $\frac{5}{4}$



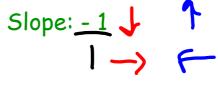
Graph the line with the given point and slope.

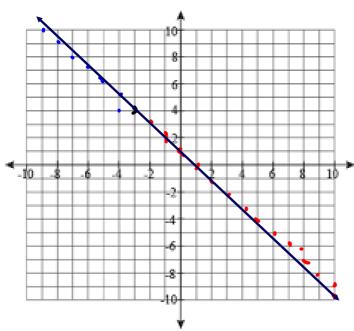
Point: (2, 1)



Slope:
$$-\frac{3}{2}$$
 $-\frac{3}{2}$

Graph the line with the given point and slope.



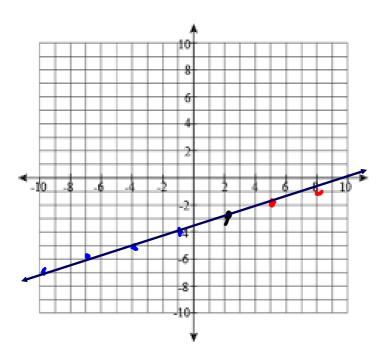


8.8 Slope Review

Graph the line with the given point and slope.

Point: (2, -3)

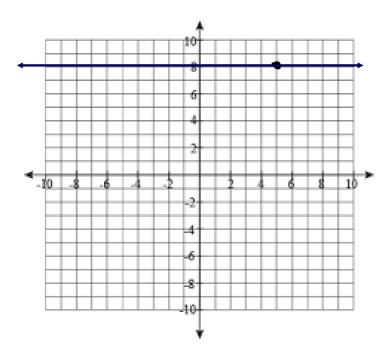
Slope: $\frac{1}{3}$



Graph the line with the given point and slope.

Point: (5, 8)

Slope: 0



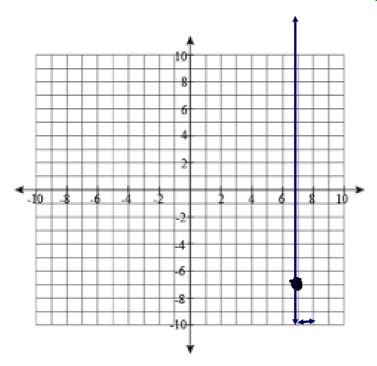
8.8 Slope Review January 27, 2021

Graph the line with the given point and slope.

NO SLOFE

Point: (7, -7)

Slope: Undefined



8.8 Using the Slope to Graph.notebook