

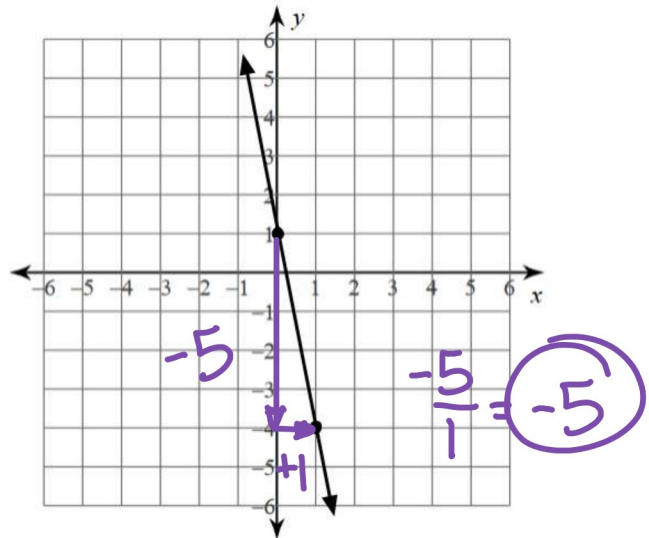
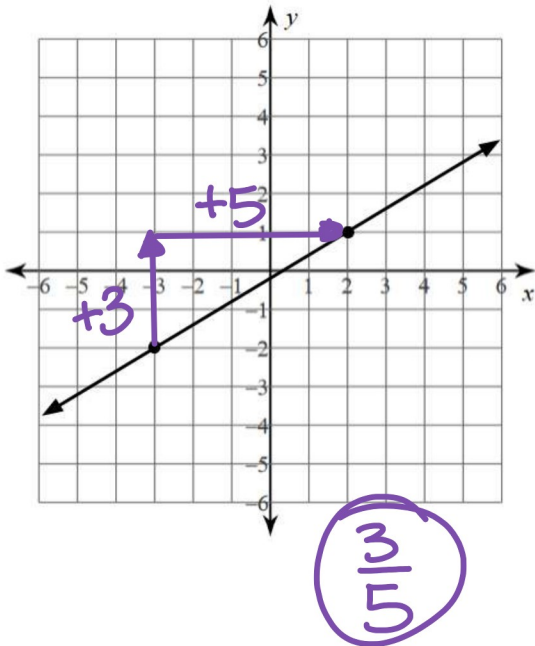
Lines: Lesson 2

Slopes of Lines I: Worksheet 1

Name: _____



Find the slope of these lines:



Find the slope between these points.

(7, -3) and (4, 1)

$x_1 y_1$ $x_2 y_2$

$$\frac{1 - (-3)}{4 - 7} = \frac{1 + 3}{-3} = \frac{-4}{3}$$

(-3, -5) and (2, -7)

$x_1 y_1$ $x_2 y_2$

$$\frac{-7 - (-5)}{2 - (-3)} = \frac{-7 + 3}{5} = \frac{-4}{5}$$

(5, 8) and (-1, 4)

$x_1 y_1$ $x_2 y_2$

$$\frac{4 - 8}{-1 - 5} = \frac{-4}{-6} = \frac{2}{3}$$

Which lines go up as they move left to right? (Circle answers.)

Slopes of:

$\frac{1}{3}$ (circled)

$-\frac{5}{2}$

17 (circled)

$\frac{4}{5}$ (circled)

-2

Which line is steeper? (Circle answers.)

Slope of:

-3 or -2

2 or $\frac{2}{3}$

$-\frac{1}{8}$ or $-\frac{4}{5}$

17 or $\frac{1}{17}$

Draw a line with a slope of $\frac{3}{4}$ that goes through $(-3, -2)$:

- Start with point
- Go from point $\frac{\text{rise}}{\text{run}}$

