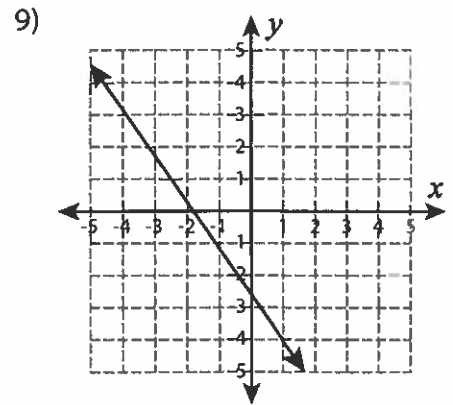
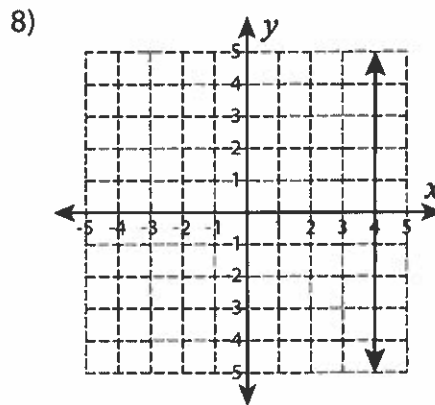
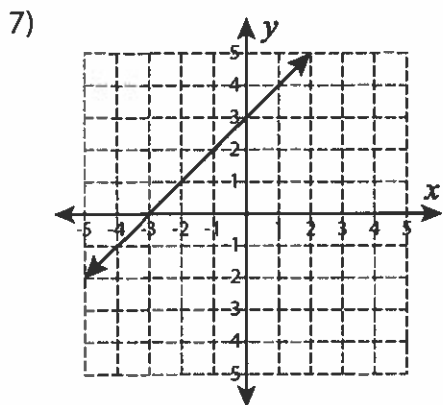
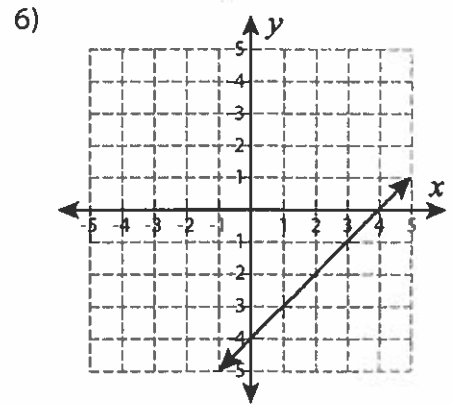
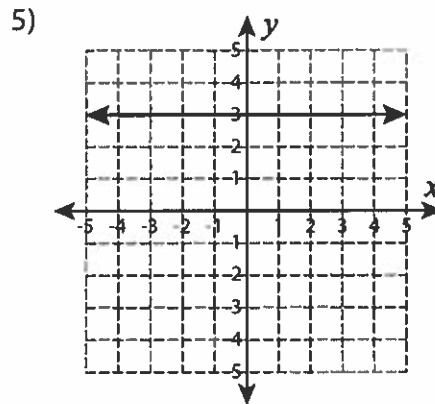
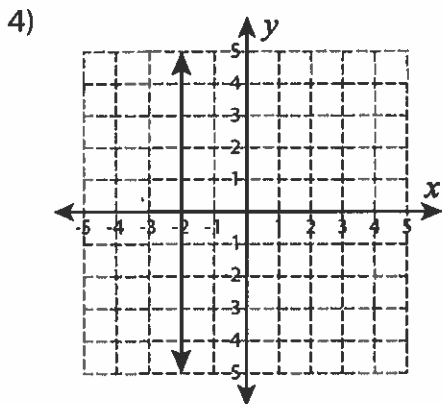
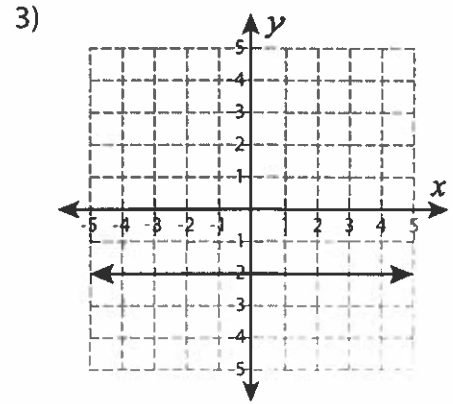
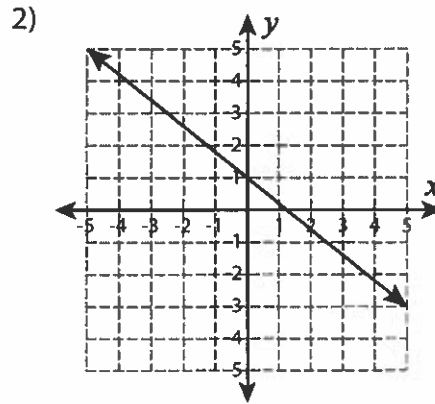
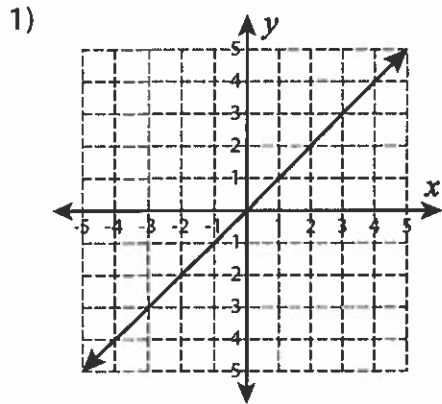


# Types of Slopes

Identify the slope as positive, negative, zero or undefined from each graph.

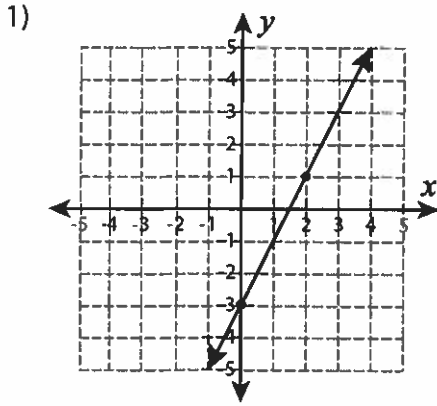


Name: \_\_\_\_\_

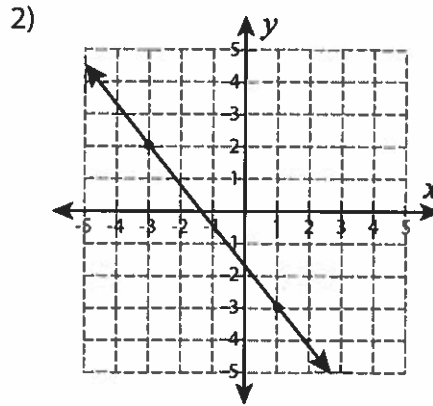
Level 1: S1

# Find the Slope

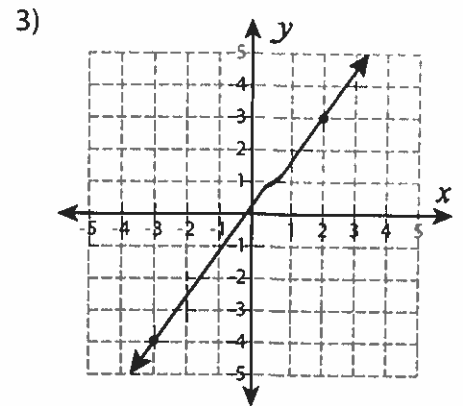
Calculate the rise and run to find the slope of each line.



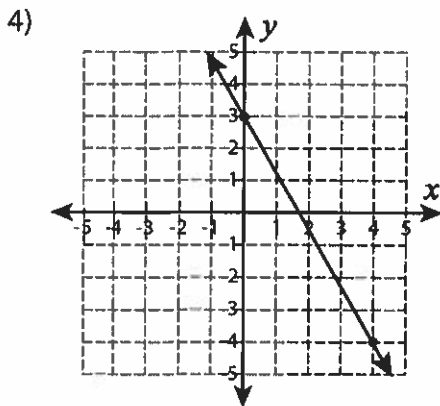
Slope = \_\_\_\_\_



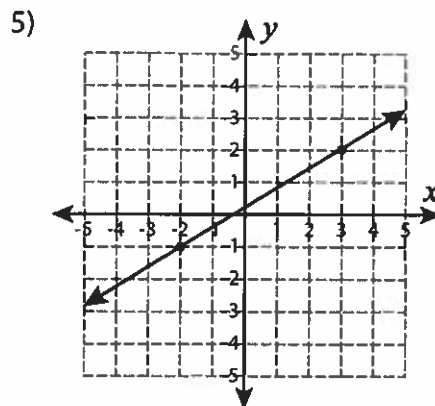
Slope = \_\_\_\_\_



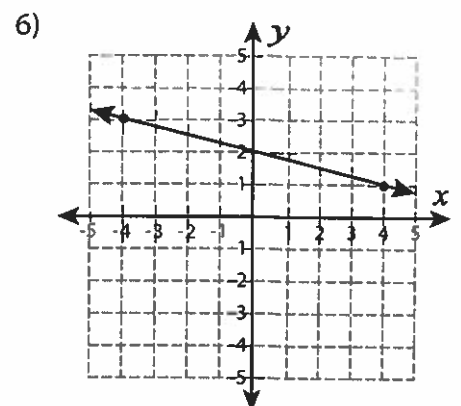
Slope = \_\_\_\_\_



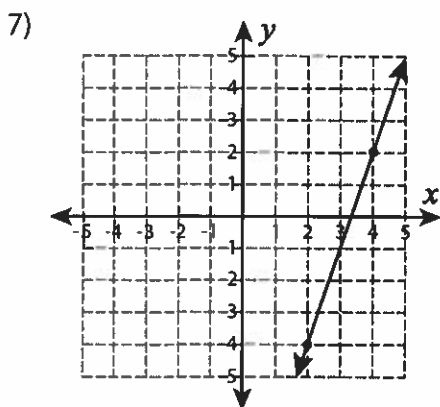
Slope = \_\_\_\_\_



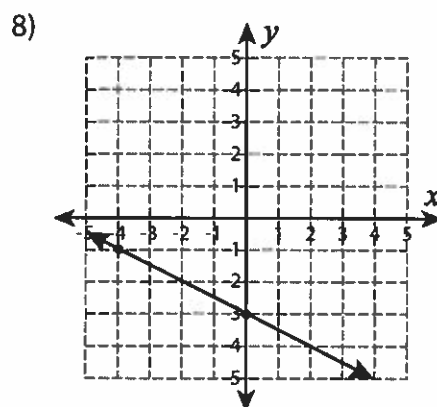
Slope = \_\_\_\_\_



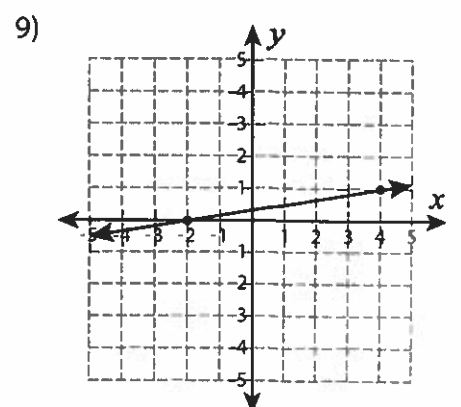
Slope = \_\_\_\_\_



Slope = \_\_\_\_\_



Slope = \_\_\_\_\_



Slope = \_\_\_\_\_

## Finding Slope: Ratio method

Find the slope of a line passing through (4, 6) and (7, 1).

$$\Delta y = y_2 - y_1 = 1 - 6 = -5$$

$$\Delta x = x_2 - x_1 = 7 - 4 = 3$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \frac{-5}{3} = -\frac{5}{3}$$

Find the slope of a line that passes through the given two points using ratio method.

1) (5, -3) and (-1, 6)

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

2) (7, 1) and (4, 8)

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

3) (1, 4) and (7, -2)

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

4) (-6, 4) and (2, 9)

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

5) (-8, 2) and (3, 5)

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

6) (-5, 3) and (1, 10)

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

7) (-2, -3) and (-7, -1)

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

8) (0, 1) and (4, 9)

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

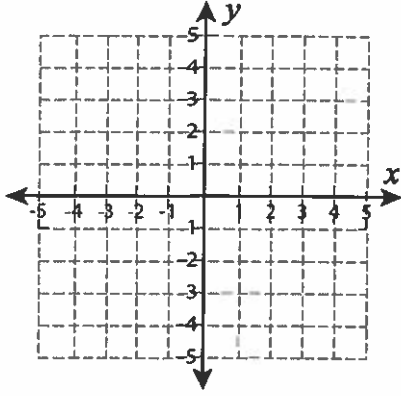
Name : \_\_\_\_\_

## Find the Slope

Sheet 1

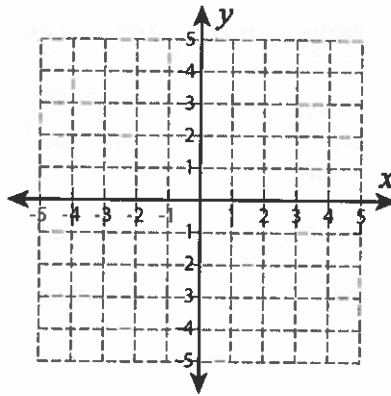
Graph a line through the given pair of points. Find the slope.

1)  $(1, 5)$  and  $(4, -2)$



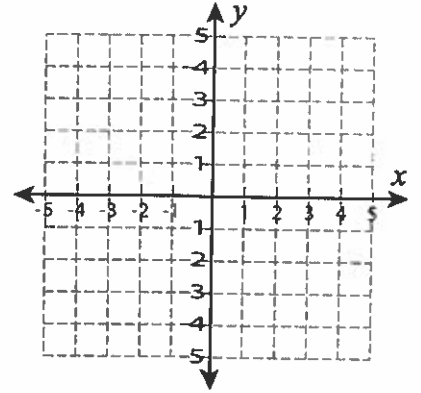
Slope = \_\_\_\_\_

2)  $(2, -1)$  and  $(-5, -3)$



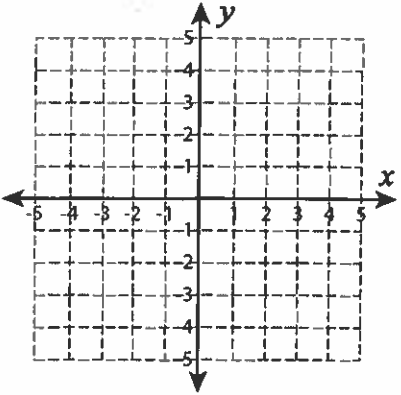
Slope = \_\_\_\_\_

3) x-intercept=4, y-intercept=3



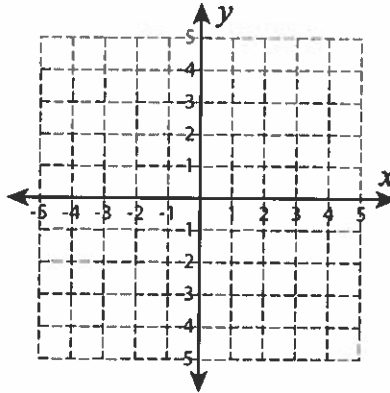
Slope = \_\_\_\_\_

4)  $(-4, -4)$  and  $(4, 5)$



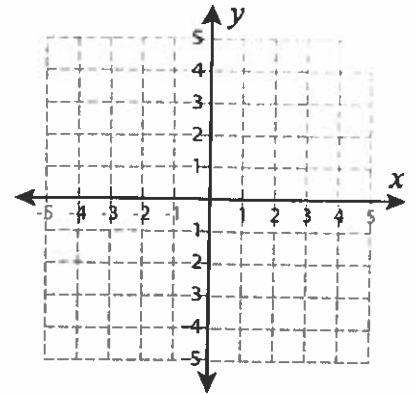
Slope = \_\_\_\_\_

5)  $(3, 1)$  and  $(-4, 1)$



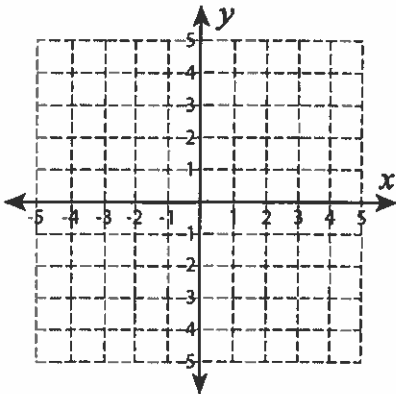
Slope = \_\_\_\_\_

6)  $(4, 5)$  and  $(2, 1)$



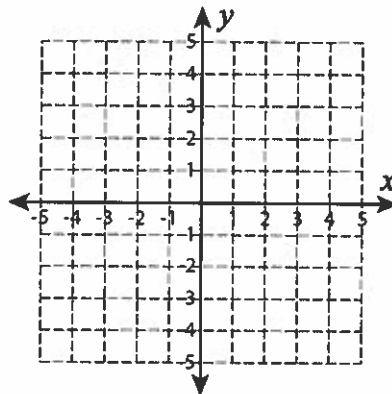
Slope = \_\_\_\_\_

7) x-intercept=-5, y-intercept=-2



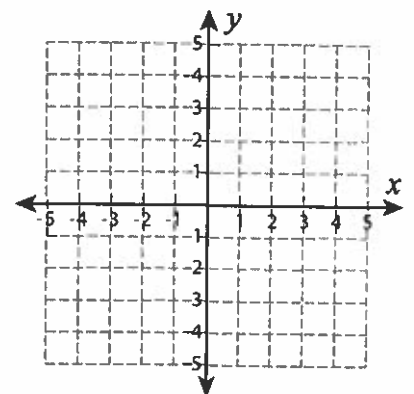
Slope = \_\_\_\_\_

8)  $(-5, 1)$  and  $(2, 4)$



Slope = \_\_\_\_\_

9)  $(-3, 1)$  and  $(3, -4)$



Slope = \_\_\_\_\_