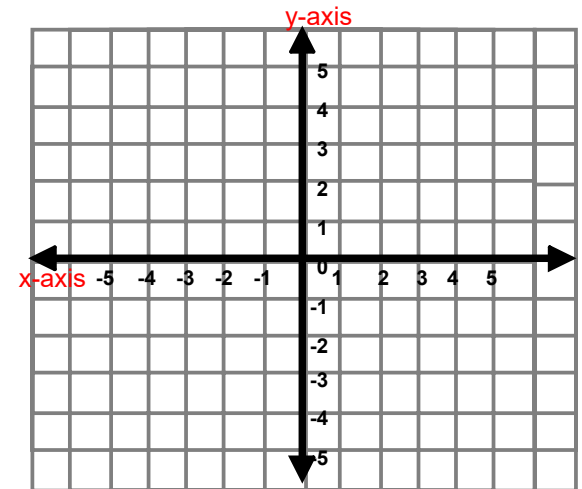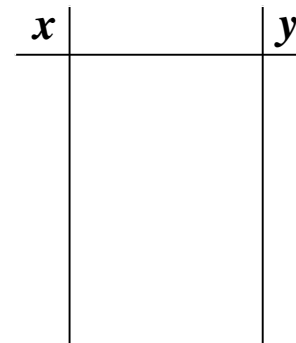**4.1-4.3 Review**

Graphing Using a Chart

1) Graph $y = 2x - 3$

x	y

2) Graph the linear equation.

$$y = -x + 4$$

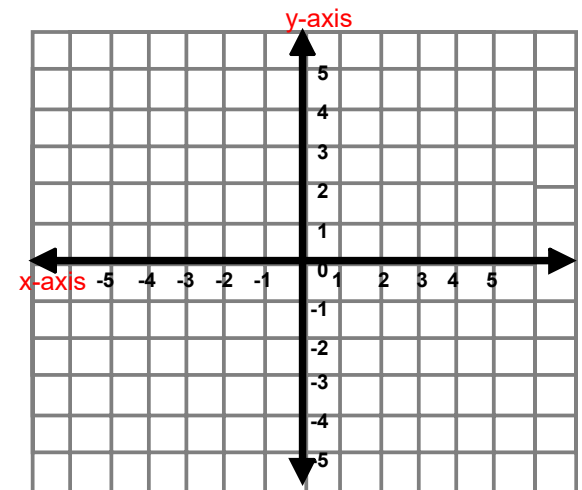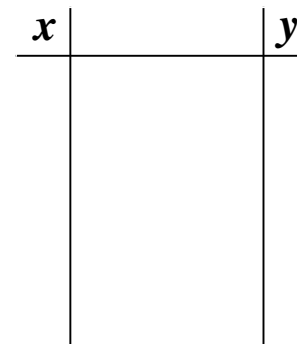| x	y
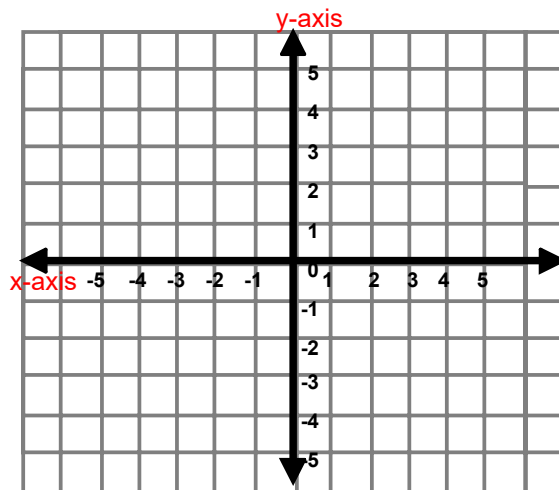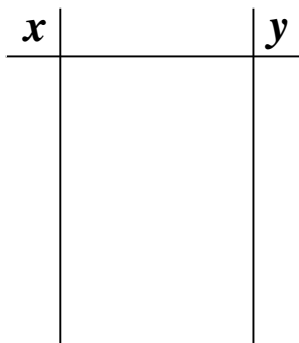
2) Graph the linear equation.

$$-3x + y = -1$$

x	y

Using a T-Chart

4) Graph $y = \dfrac{1}{2}x + 1$ using T-chart.

x	y
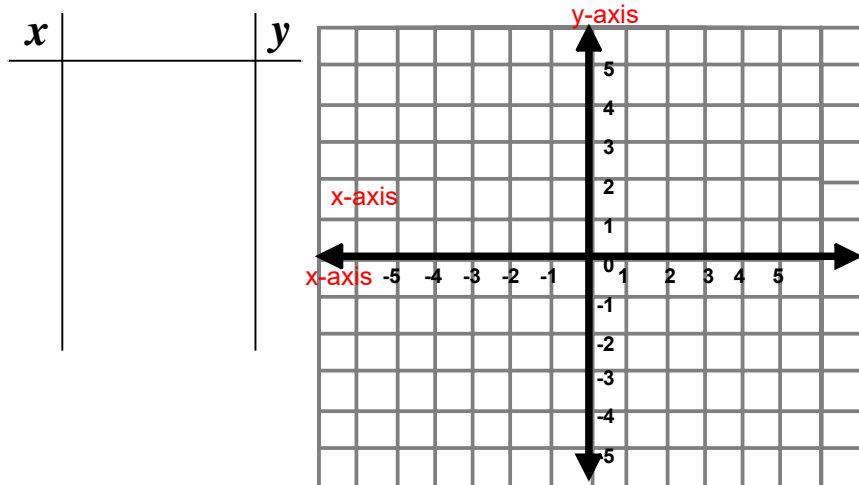
Graphing Horizontal and Vertical Lines

5) $y = 4$

x	y
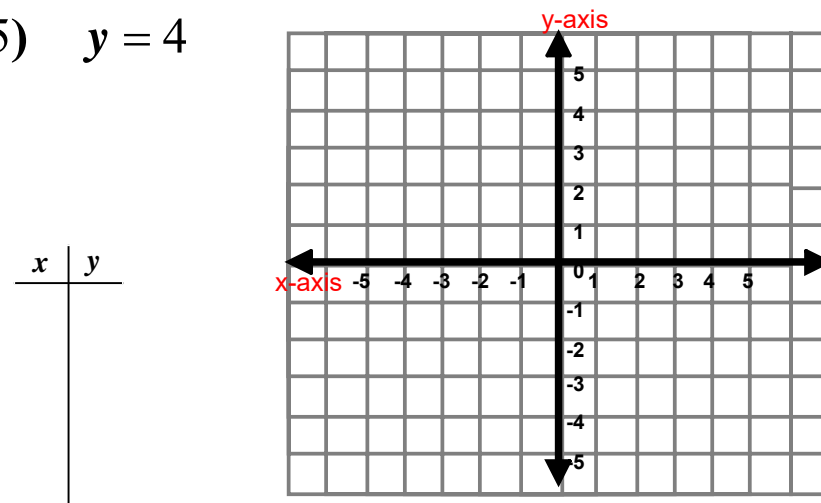
Graphing Horizontal and Vertical Lines

6) $x = 3$

x	y

SLOPE OF A LINE

Rise

Run
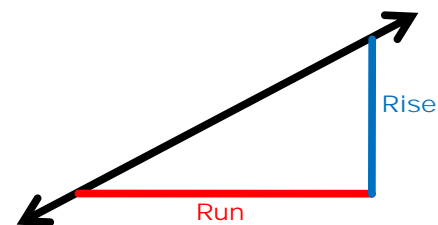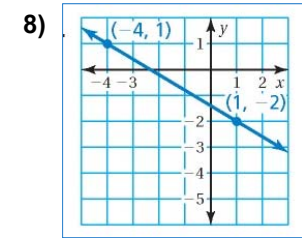
$$slope = \dfrac{rise}{run}$$

SLOPE OF A LINE

going up	going down	level
positive slope	negative slope	0 slope
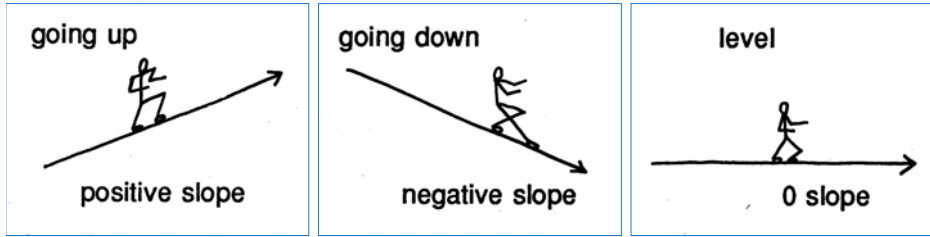
Find the slope of each line.

$$slope = \frac{rise}{run}$$

7) (−2, 0)   (2, 3)

8) (−4, 1)   (1, −2)

9) (−1, 3)   (3, 3)

10) (1, 3)   (1, −2)
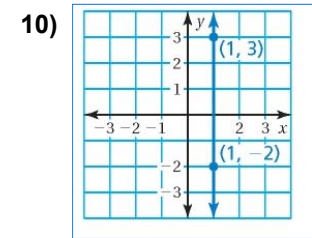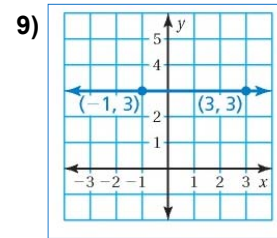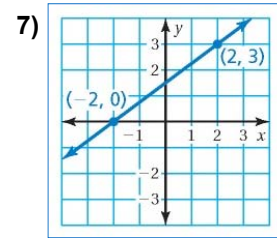
SLOPE FORMULA

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

Find the slope between the two points:

11) $(0, 7)$ *and* $(−4, −1)$

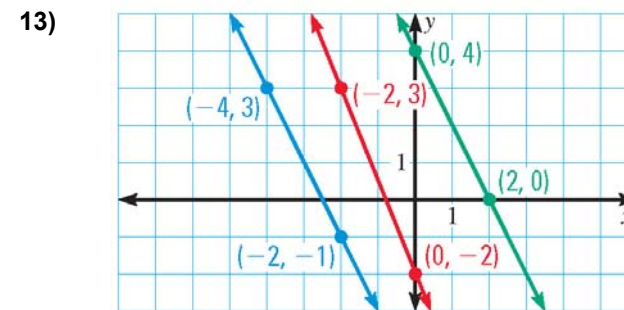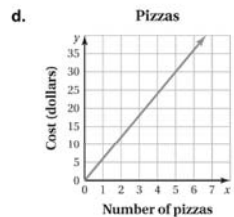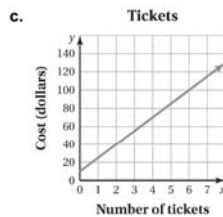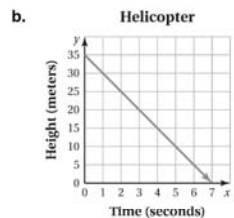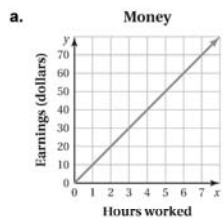12) $(−2, 5)$ *and* $(9, 5)$

Practice

Determine which lines are parallel.

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

13)

(−4, 3)   (−2, 3)   (0, 4)   (2, 0)   (−2, −1)   (0, −2)

Identify if the following is a proportional relationship.

14)

a. Money

b. Helicopter

c. Tickets

d. Pizzas

e.

Laps, x	1	2	3	4
Time (seconds), y	90	200	325	480

f.

Cups of Sugar, x	$\frac{1}{2}$	1	$1\frac{1}{2}$	2
Cups of Flour, y	1	2	3	4

15) The cost y (in dollars) for x gigabytes of data on an Internet plan is represented by $y = 10x$. Graph the equation and interpret the slope.