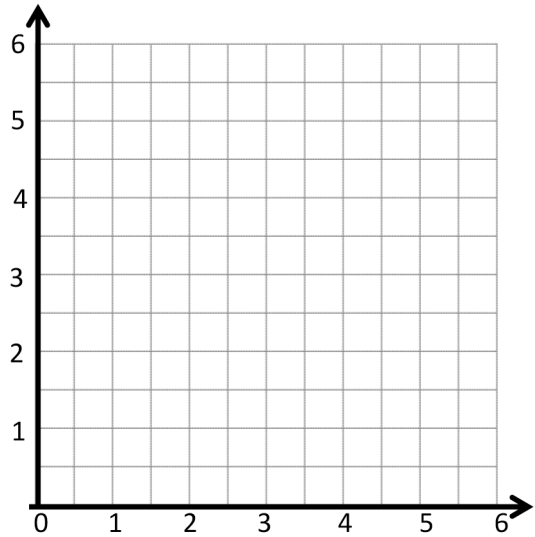


Name _____

Date _____

1. Complete the chart. Then, plot the points on the coordinate plane.

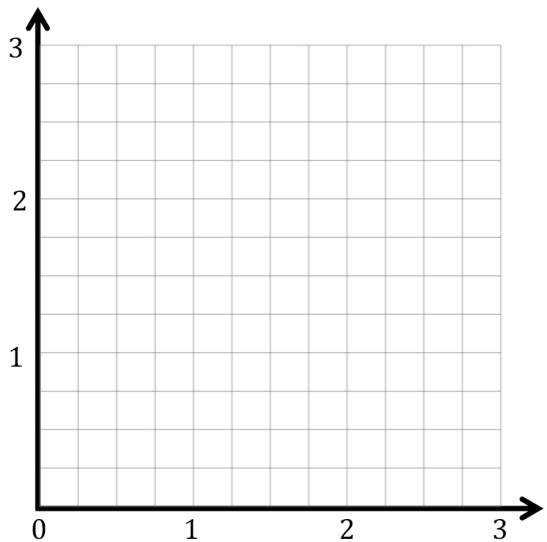
x	y	(x, y)
2	0	
$3\frac{1}{2}$	$1\frac{1}{2}$	
$4\frac{1}{2}$	$2\frac{1}{2}$	
6	4	



- Use a straightedge to draw a line connecting these points.
- Write a rule showing the relationship between the x - and y - coordinates of points on this line.
- Name two other points that are also on this line. _____

2. Complete the chart. Then, plot the points on the coordinate plane.

x	y	(x, y)
0	0	
$\frac{1}{4}$	$\frac{3}{4}$	
$\frac{1}{2}$	$1\frac{1}{2}$	
1	3	



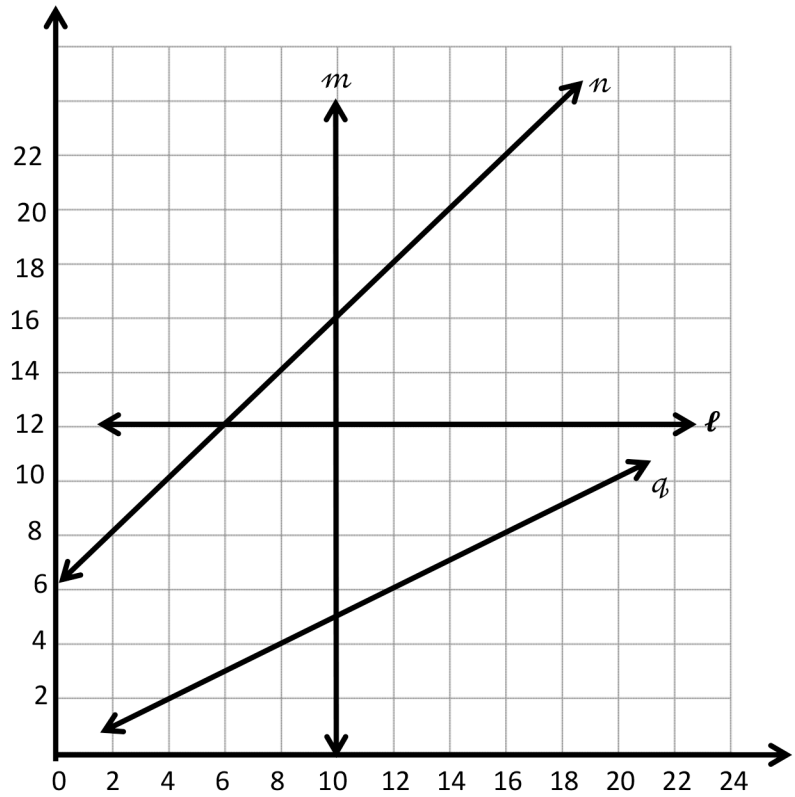
- Use a straightedge to draw a line connecting these points.
- Write a rule showing the relationship between the x - and y - coordinates for points on the line.
- Name two other points that are also on this line. _____

3. Use the coordinate plane to answer the following questions.

a. For any point on line m , the x -coordinate is _____.

b. Give the coordinates for 3 points that are on line n .

c. Write a rule that describes the relationship between the x - and y -coordinates on line n .



d. Give the coordinates for 3 points that are on line q .

e. Write a rule that describes the relationship between the x - and y -coordinates on line q .

f. For each point, identify a line on which each of these points lie.

(10,3.2) _____ (12.4, 18.4) _____ (6.45, 12) _____ (14, 7) _____

Answer Key

1. $(2, 0); (3\frac{1}{2}, 1\frac{1}{2}); (4\frac{1}{2}, 2\frac{1}{2}); (6, 4)$
 - a. Line drawn correctly
 - b. Answers will vary.
 - c. Answers may vary.
2. $(0, 0); (\frac{1}{4}, \frac{3}{4}); (\frac{1}{2}, 1\frac{1}{2}); (1, 3)$
 - a. Line drawn correctly
 - b. Answers will vary.
 - c. Answers will vary.
3.
 - a. 10
 - b. Answers may vary.
 - c. Answers will vary.
 - d. Answers will vary.
 - e. $y = \frac{x}{2}$
 - f. $m; n; \ell; q$