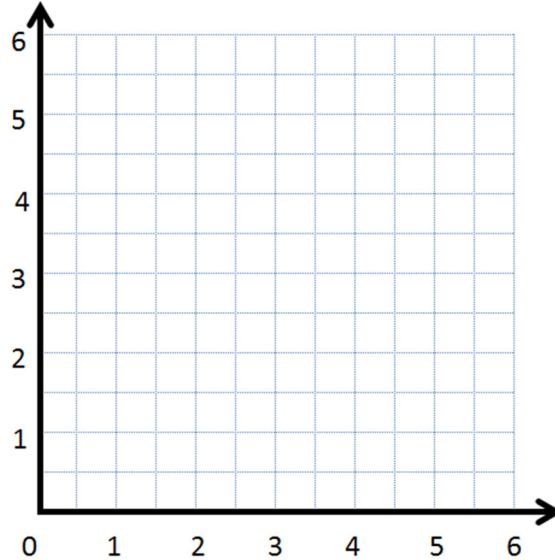


Name \_\_\_\_\_

Date \_\_\_\_\_

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

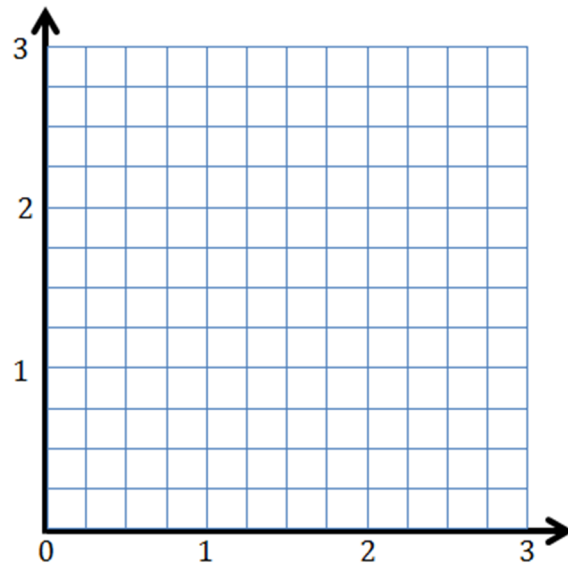
$x$	$y$	$(x, y)$
2	0	
$3\frac{1}{2}$	$1\frac{1}{2}$	
$4\frac{1}{2}$	$2\frac{1}{2}$	
6	4	



- 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	



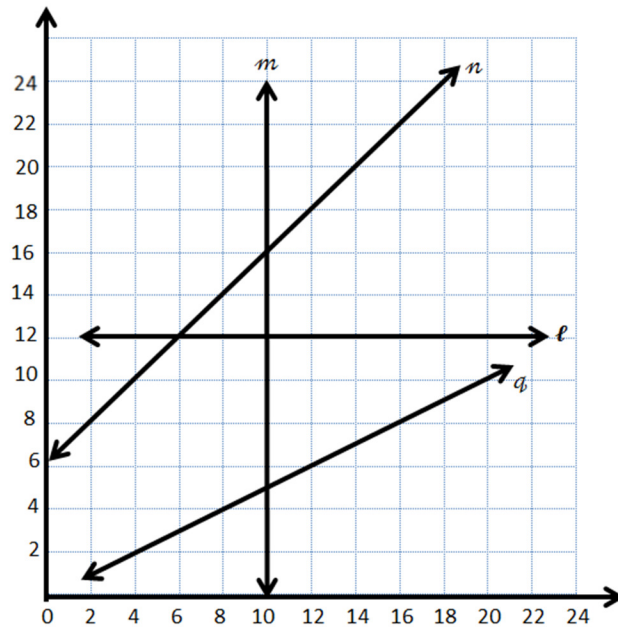
- Use a straightedge to draw a line connecting these points.
- Write a rule showing the relationship between the  $x$ - and  $y$ -coordinates for points on the line.
- Name two other points that are also on this line. \_\_\_\_\_

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. Identify a line on which each of these points lie.

i. (10, 3.2) \_\_\_\_\_

ii. (12.4, 18.4) \_\_\_\_\_

iii. (6.45, 12) \_\_\_\_\_

iv. (14, 7) \_\_\_\_\_