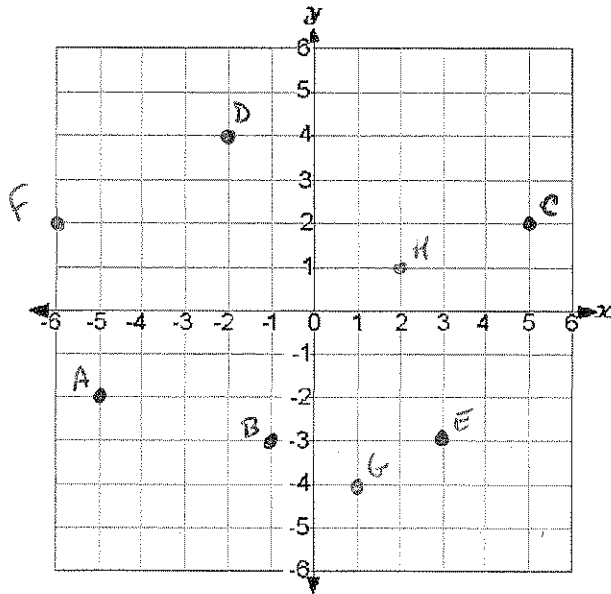


# Chapter 7 review worksheet

Answers

1. Find the location and plot the following points on the coordinate plane:



- A.  $(-5, -2)$
- B.  $(-1, -3)$
- C.  $(5, 2)$
- D.  $(-2, 4)$
- E.  $(3, -3)$
- F.  $(-6, 2)$
- G.  $(1, -4)$
- H.  $(2, 1)$

2. Find the distance between the following points

a.  $(3, -6)$  and  $(-2, -6)$

$$3 - (-2) = 5$$

b.  $(5, 7)$  and  $(13, 7)$

$$13 - 5 = 8$$

c.  $(-4, -3)$  and  $(1, -3)$

$$(-4) - 1 = |-5| = 5$$

3. Which quadrant are the points located in

a.  $(-5, -1)$

3

b.  $(8, 4)$

1

c.  $(2, -6)$

4

d.  $(-7, 3)$

2

4. Determine which axis these points were reflected over

a.  $(-1, 1)$  and  $(1, 1)$

Y-AXIS

b.  $(8, -6)$  and  $(-8, -6)$

Y-AXIS

c.  $(-5, -2)$  and  $(-5, 2)$

X-AXIS

5. Determine which variable is the independent and dependent variable in each word phrase:

a. School having a snow day and the amount of snow that falls during a storm

DEPENDENT

INDEPENDENT

b. The number of brownies sold and the money made during a bake sale

INDEPENDENT

DEPENDENT

## Chapter 7 review worksheet

6. Find the rule for each function from the function tables (x y charts)

a.  $y = x - 4$

X	Y
-5	-9
-2	-6
-1	-5

b.  $y = 6x$

X	Y
-3	-18
0	0
4	24

c.  $y = 2x + 1$

X	Y
-2	-3
-1	-1
0	1
1	3

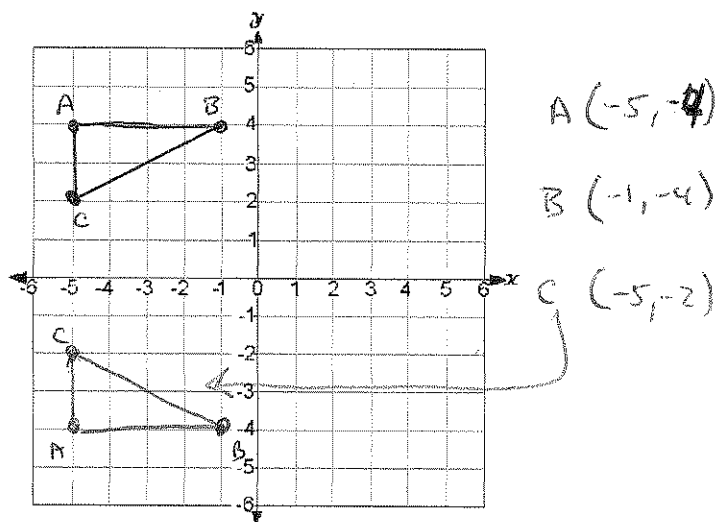
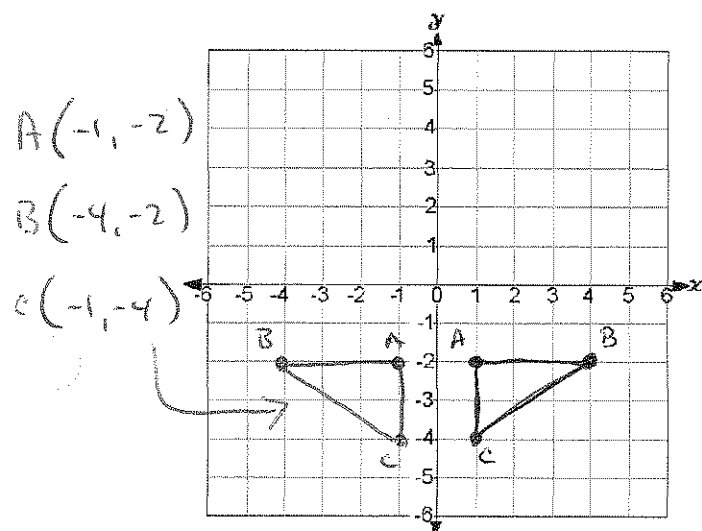
d.  $y = 3x - 3$

X	Y
-5	-18
-2	-9
4	9
7	18

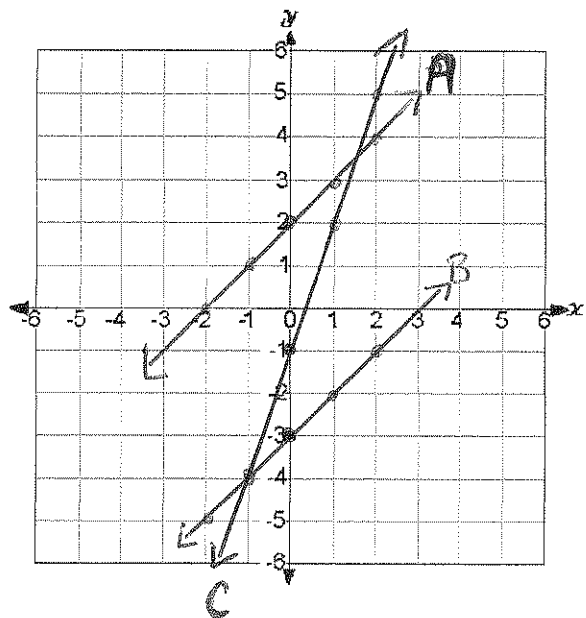
7. Reflect the shape over the given axis and write down the coordinates of the new points

a. Reflect over the y-axis

b. Reflect over the x-axis



8. Graph the lines on the coordinate plane



a.  $y = x + 2$

b.

X	Y
10	7
15	12
-9	-12

$y = x - 3$

c.  $y = 3x - 1$