Name: _____ Date: _____

Homework (07)_Reflection in the Coordinate Grid

Questions 1
How many quadrants are in a coordinate plane?

A. 1 **B.** 2

C. 3 **D.** 4

Question 2
What are the coordinates of the intersection point of the x- and y-axis?

A. (0, 1) **B.** (1, 1)

C. (0, 0) **D.** (1, 0)

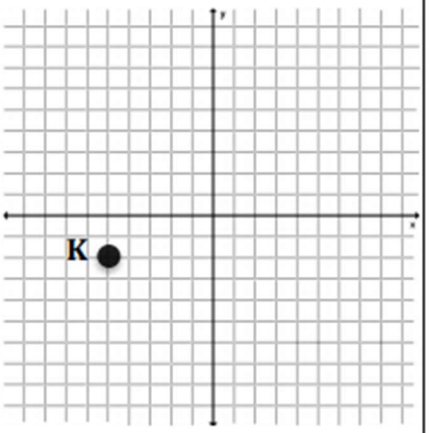
Questions 3
Locate the ordered pair for point K on the coordinate plane.

A. (5, -2)

B. (-5, 2)

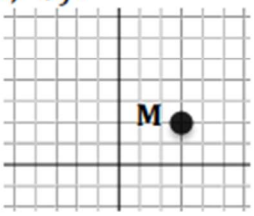
C. (-4, -2)

D. (-5, -2)

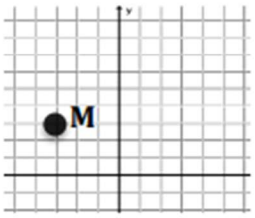


Question 4
Which of the following graph shows point M(4, -3)?

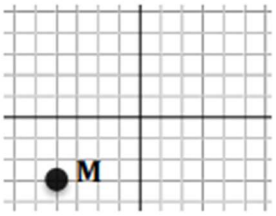
A.



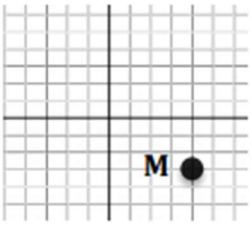
B.



C.



D.



Question 5
If you plot the ordered pair (-3, 5), you would plot which number along the x-axis?

A. 5 **B.** -3

C. both **D.** 8

Question 6
What is the vertical number line on the coordinate plane called?

A. x-axis **B.** origin

C. quadrant **D.** y-axis

Question 7
In which quadrant does the ordered pair have both positive x and y coordinates? (+x, +y)

A. Quadrant I **B.** Quadrant II

C. Quadrant III **D.** Quadrant IV

Question 8
Which of these points will lie on quadrant II of a coordinate plane?

A. A(-4, -3) **B.** D(-4, 3)

C. R(4, 3) **D.** G(4, -3)

Question 9

A point on a coordinate plane has (-3, -5) as its coordinates. Where is the point located?

A. Quadrant II **B.** Quadrant III

C. Quadrant I **D.** Quadrant IV

Question 10

How far is the point (4, 0) from the origin (0, 0)?

A. 0 units **B.** 4 units

C. 6 units **D.** 8 units

Question 11

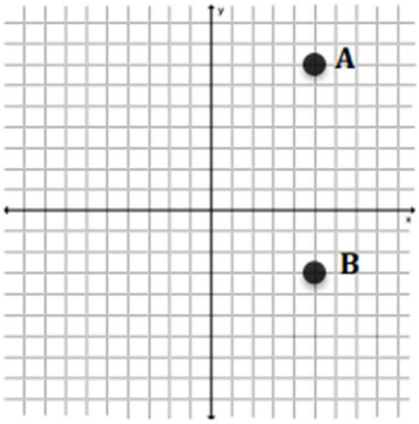
What is the distance from A to B?

A. 7 units

B. 10 units

C. 5 units

D. 2 units



Question 12

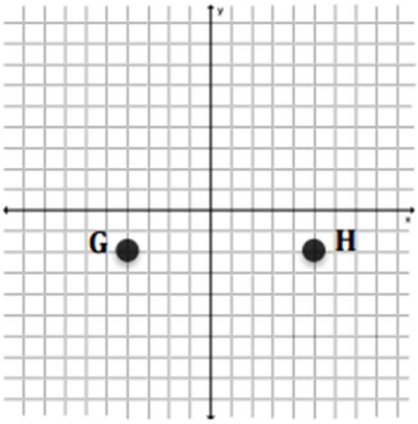
What is the distance from G to H?

A. 9 units

B. 3 units

C. 7 units

D. 6 units



Question 13

Given the ordered pair (-4, -7), what is the new ordered pair when you reflect over the y-axis?

A. (-4, -7) **B.** (-4, 7)

C. (-7, -4) **D.** (4, -7)

Question 14

Starting at the origin, (0, 0), what would the ordered pair be if you go to the left 7 units, and up 6 units?

A. (7, -6) **B.** (-7, 6)

C. (6, -7) **D.** (-6, 7)

Question 15

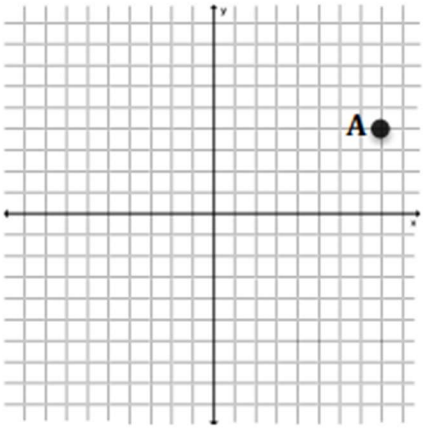
Reflect point A over the x-axis, what is the new coordinate?

A. (8, 4)

B. (-8, 4)

C. (8, -4)

D. (4, -8)

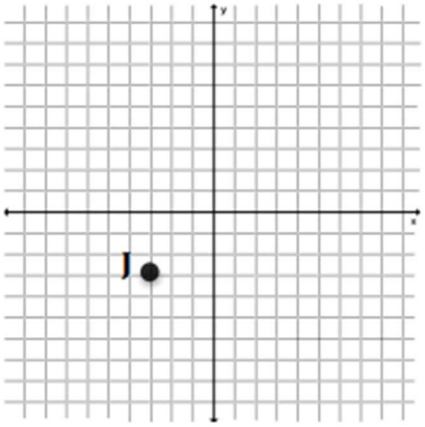


Question 16

Reflect point J over the y-axis, what is the new coordinate?

A. (-3, -3)

B. (-3, 3)

C. (0, -3)

D. (3, -3)