

## **Rational Numbers and the Coordinate Plane**      Assignment      **Math 6**

**Part A:** Fill in the blanks with word/s or phrase/s that will make each statement true.

1. A/an \_\_\_\_\_ is formed by the perpendicular intersection of the horizontal and the vertical number line.
2. The point where the horizontal and the vertical number line meet is called the \_\_\_\_\_.
3. Each point on the plane is determined by a pair of numbers called the \_\_\_\_\_.
4. The vertical number line is called the \_\_\_\_\_.
5. The horizontal number line is called the \_\_\_\_\_.
6. The \_\_\_\_\_ is/are the four regions made by the intersection of the horizontal and vertical number lines.
7. The the other term for the x coordinate or the first coordinate is the \_\_\_\_\_.
8. The \_\_\_\_\_ is also called the y coordinate or second coordinate.

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**Part B:** Name the points described by the following statements and determine its location on the coordinate plane.

1. From the origin, move 3 units to the left on the x axis then move 4 units up.
2. From the origin move 4 units to the left on the x axis then move 3 units down
3. From the origin, move 0 units on the x axis then move  $3\frac{1}{2}$  units down.
4. From the origin, move 8 units to the right and  $2\frac{3}{4}$  units up.
5. From the origin, move 10 units to the left and no units up or down.

Coordinates	Quadrant/Axis

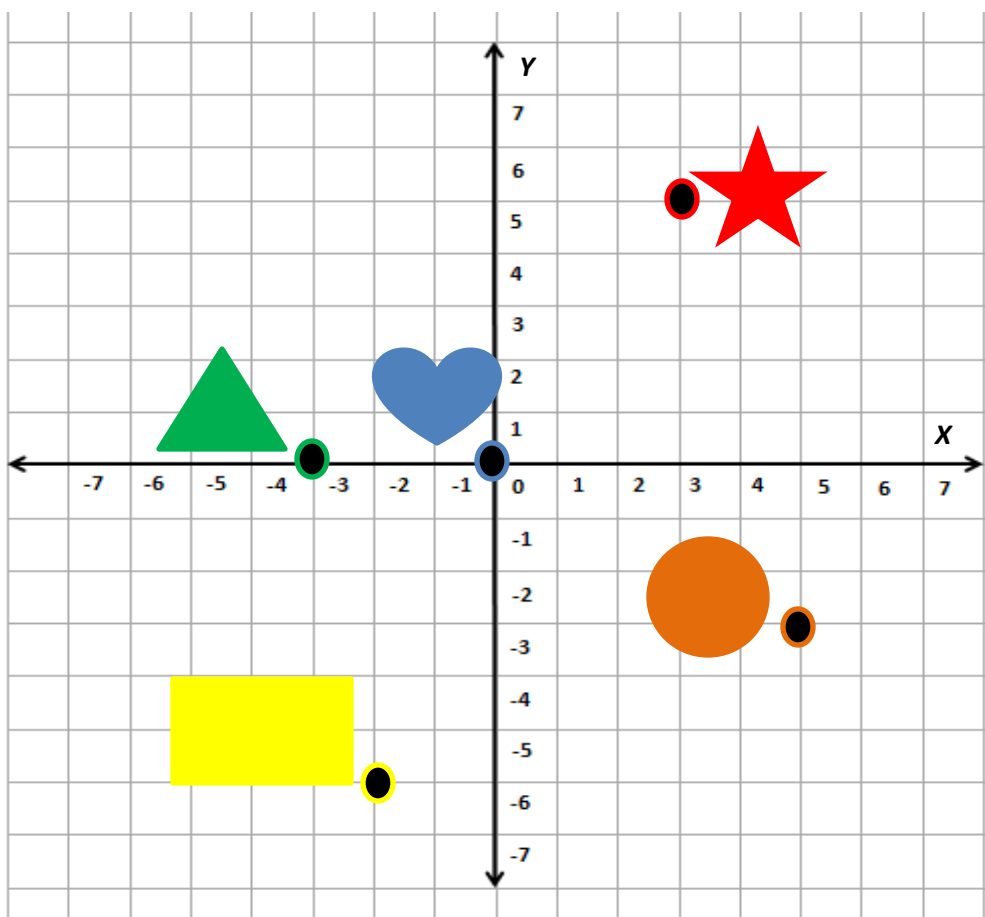
Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

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**Part C:** Describe the location of each point by completing the table.

1. **STAR**
2. **TRIANGLE**
3. **CIRCLE**
4. **HEART**
5. **RECTANGLE**

Coordinates	Quadrant/Axis



Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

# Rational Numbers and the Coordinate Plane

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**Part D:** Plot the following points on the coordinate plane.

1.  $A(-2, 4)$

2.  $B(4, 2)$

3.  $C(-2, -4)$

4.  $D(4, -2)$

5.  $E(-4, -2)$

