# 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.

# Rational Numbers and the Coordinate Plane   Assignment        Math 6

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

| Coordinates | Quadrant/Axis |
|---|---|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

1.  From the origin, move 3 units to the left on the x aixs 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.

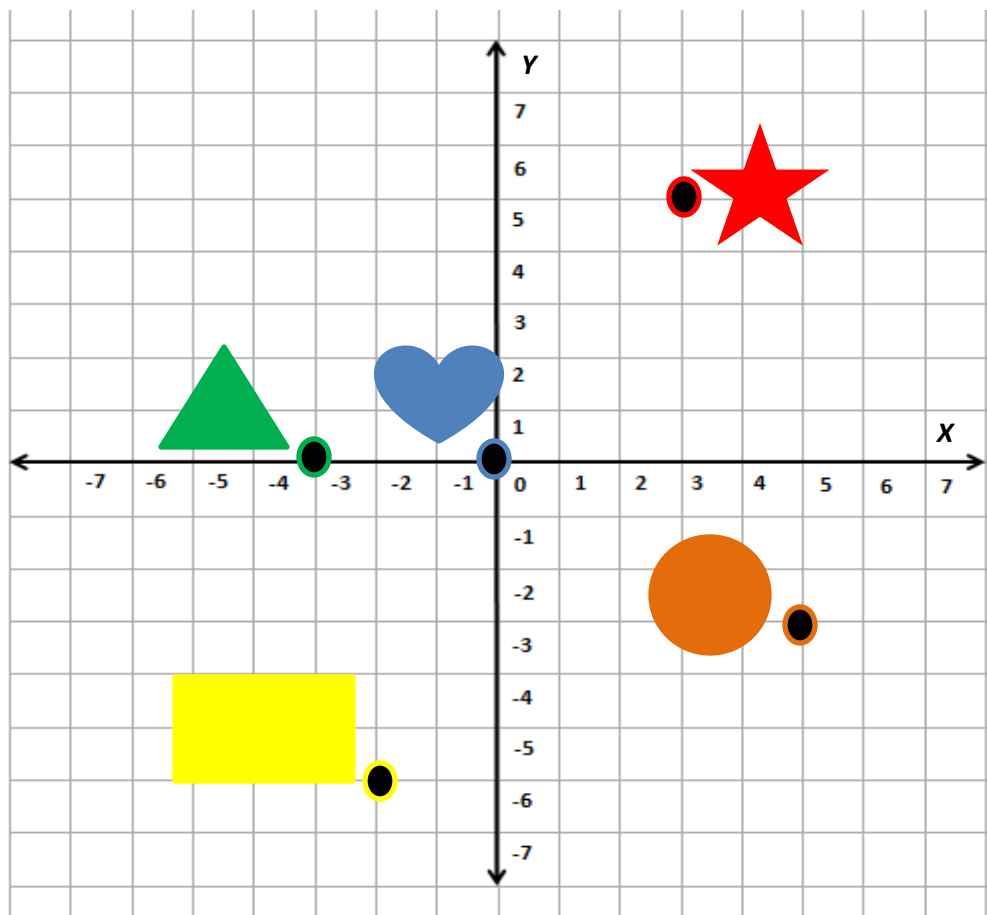5.  From the origin, move 10 units to th left and no units up or down.

# Rational Numbers and the Coordinate Plane    Assignment    Math 6

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

| Coordinates | Quadrant/Axis |
|---|---|
| | |
| | |
| | |
| | |
| | |

1. **STAR**

2. **TRIANGLE**

3. **CIRCLE**

4. **HEART**

5. **RECTANGLE**

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# Rational Numbers and the Coordinate Plane   Assignment          Math 6

## Part D: Plot the following points on the coordinate plane.
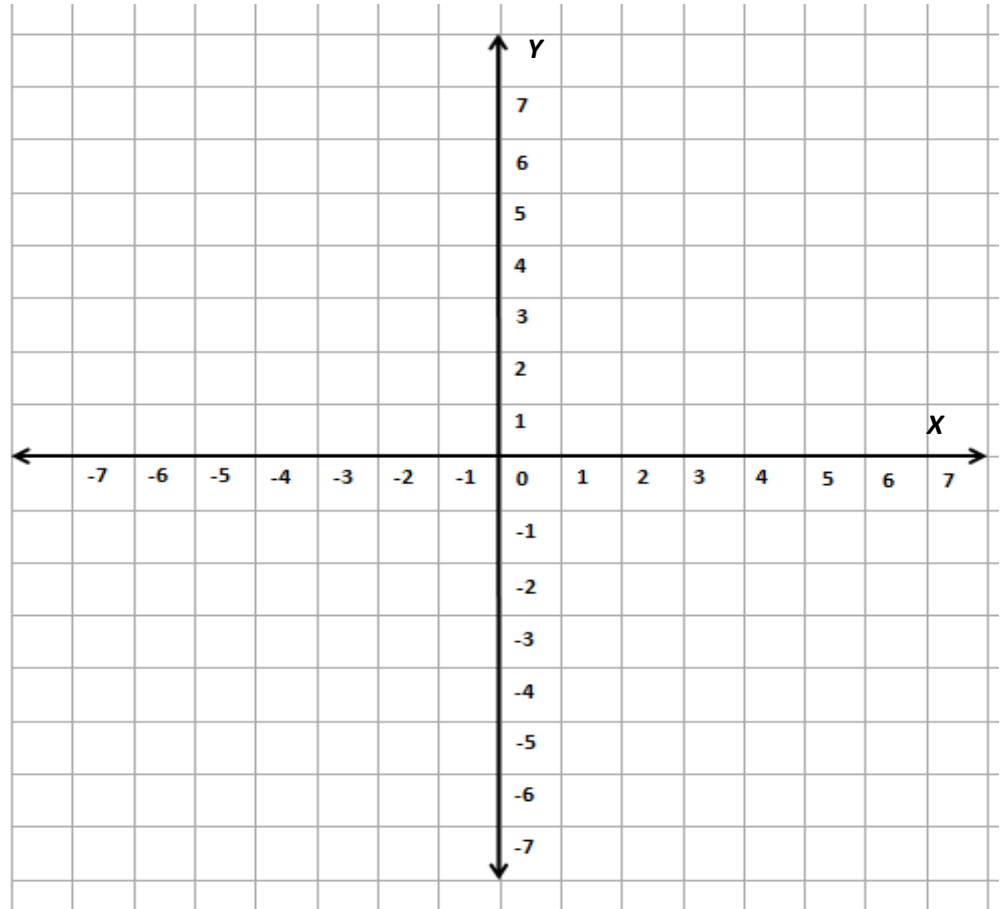
1.      A(-2, 4)

2.      B(4, 2)

3.      C(-2, -4)

4.      D(4, -2)

5.      E(-4, -2)

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

**Answers:**

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

1.   A/an <mark>coordinate plane</mark> 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 <mark>origin</mark>.

3.   Each point on the plane is determined by a pair of numbers called the <mark>ordered pair/coordinates</mark>.

4.   The vertical number line is called the <mark>y axis</mark>.

5.   The horizontal number line is called the <mark>x axis</mark>.

6.   The <mark>quandrants</mark> 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 <mark>abscissa</mark>.

8.   The <mark>ordinate</mark> is also called the y coordinate or second coordinate.

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

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

| Coordinates | Quadrant/Axis |
|---|---|
| (-3, 4) | Quadrant II |
| (-4, -3) | Quadrant III |
| (0, -3$\frac{1}{2}$) | y axis |
| (8, 2$\frac{3}{4}$) | Quadrant I |
| (-10, 0) | x axis |

1. From the origin, move 3 units to the left on the x aixs 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.

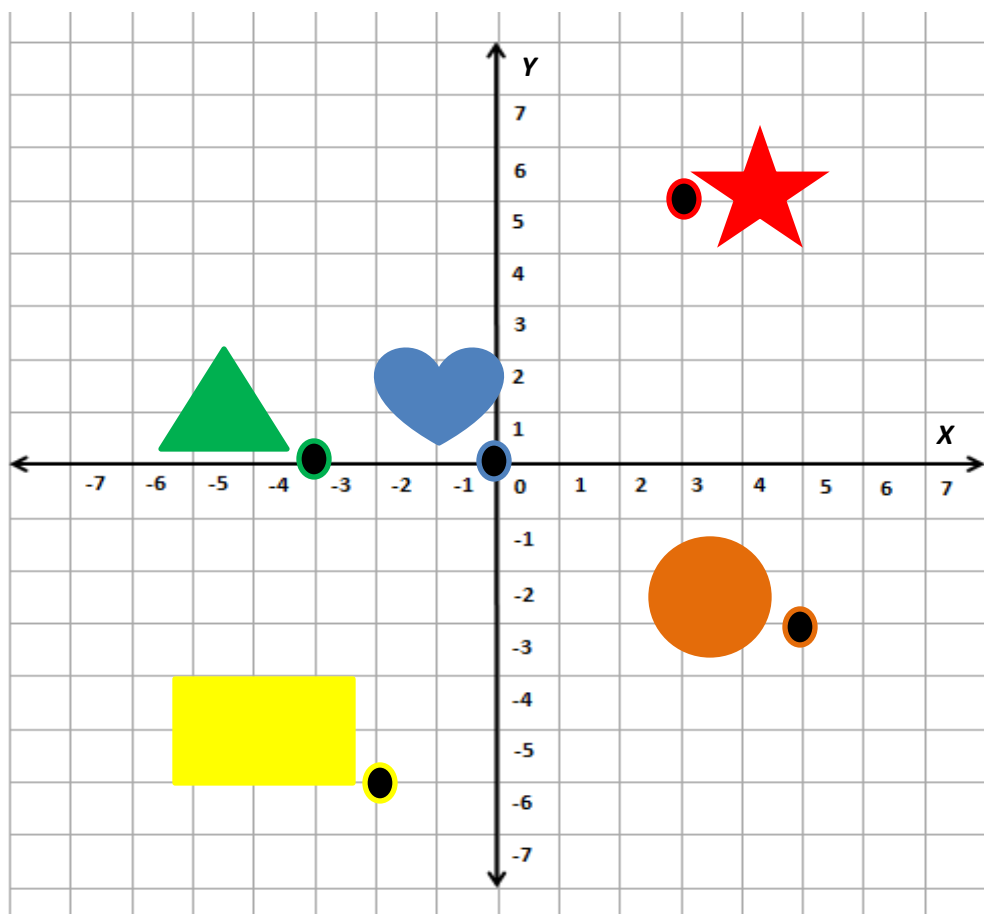5. From the origin, move 10 units to th left and no units up or down.

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

**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 |
|---|---|
| (3, 5) | Quadrant I |
| (-3, 0) | x axis |
| (5, -3) | Quadrant IV |
| (0, 0) | Origin |
| (-2, -6) | Quadrant III |

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# Rational Numbers and the Coordinate Plane   Assignment          Math 6

## 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)