|  |  |
| --- | --- |
| Question | **Answer** |
| What is a **coordinate plane**? | Formed by a horizontal axis and a vertical axis and is used to locate points. |
| What is the **x-axis**? | The horizontal axis on a coordinate plane. |
| What is the **y-axis**? | The vertical axis on a coordinate plane. |
| What is the **Origin**? | The zero point; where the x- and y- axis intersect. (0,0) |
| What is an **Ordered Pair**? | Two points, one for the x-axis and one for the y-axis, used to locate an exact location.  ( x- axis, y- axis ) ( 5 , 7 ) |
| What is a **Quadrant**? | The x- and y-axes divide the coordinate plane into four regions. |
| What are the **4 Quadrants** of a coordinate plane? | IIVIIIII\* Starting in the upper right hand corner, the quadrants are numbered I - IV going COUNTER CLOCKWISE. \* We use Roman Numerals to identify each quadrant  |

|  |  |
| --- | --- |
| How do I identify the exact location of a point?  | 1. Go across the x-axis until you reach the line that the point is located; record the number from the x-axis.
2. Then go up/down the y-axis until you read the line that the point is located, record the number from the y-axis.
3. You have just found your ordered pair.

\*\* Remember, you must find the x-value first (***x*** comes before ***y*** in the alphabet) |

**More Practice with Coordinate Planes: Plotting Points**

|  |  |
| --- | --- |
| **Questions** | **Answers** |
| How do I plot an ordered pair? | \* Using the ordered pair—the first number in an ordered pair is the coordinate for the X axis (horizontal); the second number in an ordered pair is the coordinate for the Y axis (vertical.)**x-axis****(-4,3)****y-axis**Example: ( -4, 3)\*\*Remember, x comes before y! |
| ***Practice:*** | Plot and label the following on a coordinate plane:( 5,6) (4,10) (0,0) (-4, 8) (-3, -6)( -8, 5) (8, -5) (1, -2) (7, -4) (5, 2) |