Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_1st 2nd 3rd 4th 5th 6th

**Coordinate Plane**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | * Label the x- axis * Label the y-axis * Label each Quadrant   + I, II, III, IV | **2** | * Give an example of an ordered pair * Label the x-coordinate * Label the y-coordinate   Ordered Pair   |  | | --- | |  |   ↗ ↖ |
| **3** | * Label the x- axis * Label the y-axis * Plot the point (2,-4) * Label the point * The point (2,-4) is in Quadrant\_\_\_\_ | **4** | * Label the x- axis * Label the y-axis * Plot the point (4,3) * Label the point * The point (4,3) is in Quadrant\_\_\_\_\_ |
| **5** | * Label the x- axis * Label the y-axis * Plot the point (-2,-5) * Label the point * The point (-2,-5) is in Quadrant\_\_\_\_ | **6** | * Label the x- axis * Label the y-axis * Plot the point (-3,1) * Label the point * The point (-3,1) is in Quadrant\_\_\_\_\_ |
| **7** | * Label the x- axis * Label the y-axis * Plot a point in Quadrant III * Label the point      * Is x>0 or is x<0?   + X is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Is y>0 or is y<0?   + y is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **8** | * Label the x- axis * Label the y-axis * Plot a point in Quadrant I * Label the point      * Is x>0 or is x<0?   + X is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Is y>0 or is y<0?   + y is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **9** | * Label the x- axis * Label the y-axis * Plot a point in Quadrant IV * Label the point \_\_\_\_\_\_\_\_\_      * Is x>0 or is x<0?   + X is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Is y>0 or is y<0?   + y is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **10** | * Label the x- axis * Label the y-axis * Plot a point in Quadrant II * Label the point      * Is x>0 or is x<0?   + X is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ * Is y>0 or is y<0?   + y is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **11** | If a point is in Quadrant I, which of the following is true?   1. ax<0, y >0 2. x>0, y <0 3. x>0, y >0 4. x <0,y <0  * Choose a point in Quadrant I \_\_\_\_\_\_ * Justify your answer. | **12** | If a point is in Quadrant IV, which of the following is true?   1. ax<0, y >0 2. x>0, y <0 3. x>0, y >0 4. x <0,y <0  * Choose a point in Quadrant IV \_\_\_\_\_\_ * Justify your answer. |
| **13** | If a point is in Quadrant III, which of the following is true?   1. x<0, y >0 2. x>0, y <0 3. x>0, y >0 4. x <0,y <0  * Choose a point in Quadrant IV\_\_\_\_\_\_ * Justify your answer. | **14** | If a point is in Quadrant II, which of the following is true?   1. x<0, y >0 2. x>0, y <0 3. x>0, y >0 4. x <0,y <0  * Choose a point in Quadrant IV \_\_\_\_\_\_ * Justify your answer. |
| **15** | Is the point on the x-axis or the y-axis?   * The point is on the \_\_\_\_\_\_\_-axis * Label the point \_\_\_\_\_\_\_\_\_\_\_ * Label the x-axis * Label the y-axis | **16** | Is the point on the x-axis or the y-axis?   * The point is on the \_\_\_\_\_\_\_-axis * Label the point \_\_\_\_\_\_\_\_\_\_\_ * Label the x-axis * Label the y-axis |
| **17** | If x <0 and y>0, which Quadrant is your point in?   * Plot and label your point   My point, \_\_\_\_\_\_\_\_\_\_, is in Quadrant \_\_\_\_ | **18** | If x <0 and y <0, which Quadrant is your point in?   * Plot and label your point   My point, \_\_\_\_\_\_\_\_\_\_, is in Quadrant \_\_\_\_ |
| **19** | If x>0 and y >0, which Quadrant is your point in?   * Plot and label your point   My point, \_\_\_\_\_\_\_\_\_\_, is in Quadrant \_\_\_\_ | **20** | If x>0 and y <0, which Quadrant is your point in?   * Plot and label your point   My point, \_\_\_\_\_\_\_\_\_\_, is in Quadrant \_\_\_\_ |
| **21** | If (x,y) is on the x-axis, what is true?  x=0 or y=0? Why? Justify your answer by plotting the point.  If (x,y) is on the x-axis, then \_\_\_\_\_\_=0. | **22** | If (x,y) is on the y-axis, what is true?  x=0 or y=0? Why? Justify your answer by plotting the point.  If (x,y) is on the y-axis, then \_\_\_\_\_\_=0. |