Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ HR: \_\_\_\_\_\_\_\_

**Lesson: Finding Distance Between Two Points on the Coordinate Plane.**

Use the picture below to answer the questions.



Part 1

1. Write the coordinates of point *A* and point *B*. In which quadrant(s)are the located?
2. Find the distance between those two points. Explain how you found your answer.
3. Use a different strategy to find the distance between those two points. Explain.

Part 2

1. Write the coordinates of point *C* and point *D*. In which quadrant(s) are the located?
2. Find the distance between those two points. Explain your work.
3. Use a different strategy to find the distance between those two points. Explain

Part 3

1. The coordinates of point *E* are *(6, 2)* and the coordinates of point *F* are *(6, -2).*
2. Find the distance between them with out graphing the points.
3. Explain to someone how to find the distance between two points (horizontally and vertically only) on the coordinate plane. Be very specific.