CCM6 and CCM6PLUS Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
**Distance and Geometry in the Coordinate Plane Review**  Date\_\_\_\_\_\_\_\_\_\_\_\_ Pd\_\_\_\_\_\_\_

**Plot the points and determine the quadrant number.**

A (4, 7) Quadrant \_\_\_\_\_\_\_

B (-5, 2) Quadrant \_\_\_\_\_\_\_

C (-1, -6) Quadrant \_\_\_\_\_\_\_

D (8, 3) Quadrant \_\_\_\_\_\_\_

E (0, -2) Quadrant \_\_\_\_\_\_\_\_

**Fill in the blank:**

6) In Quadrant I, x is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and y is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

7) In which Quadrant is x positive and y is negative? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Find the distance between the following points.
Use the graph if needed.**

8. (2, 3) and (2, -10) \_\_\_\_\_\_\_\_\_ 11. (7, 6) and (7, -1) \_\_\_\_\_\_\_\_\_

9. (-8, 0) and (3, 0)\_\_\_\_\_\_\_\_\_ 12. (-9, 6) and (-2, 6) \_\_\_\_\_\_\_\_\_

10. (-1, 10) and (-4, 10)\_\_\_\_\_\_\_\_\_ 13. (3, $-2\frac{1}{5}$) and (3 , 7 $\frac{1}{3}$)\_\_\_\_\_\_\_\_\_

**Complete the table, using the original point as your starting point.**

|  |  |  |
| --- | --- | --- |
| **Point** | **Reflect Across X-Axis** | **Reflect Across Y-Axis** |
| (7,-2) |  |  |
| (-6,-4) |  |  |
| (3, 8) |  |  |
| (-5,8) |  |  |