



Interactive Coordinate Plane Questions

Name: _____

Date: _____

Be sure to use the correct Flocabulary, er, I mean, vocabulary when you answer the following questions:

1. What happens when you drag the $(7,3)$ point straight up? **ANSWER: The number for the y-axis gets larger, or more positive, and number for the x-axis stays about the same.**
2. What happens when you drag the point straight down?
3. What happens when you drag the point directly to the right?
4. What happens when you drag the point directly to the left?

Play around some more and notice what happens to the coordinates when you drag the point below the x-axis, and then to the left of the y-axis.

5. Click on the Quadrants button on the top right of the coordinate plane. In what Quadrant is the point $(7,3)$? _____
6. In what quadrants are the following points found?
 - a. $(-7,3)$ _____
 - b. $(-7,-3)$ _____
 - c. $(7,-3)$ _____

7. In which quadrant(s) is “x” always positive? _____

8. In which quadrant(s) is “x” always negative? _____

9. In which quadrant(s) is “y” always positive? _____

10. In which quadrant(s) is “y” always negative? _____

11. Which quadrant has the coordinate pair with the following charges:

a. (+,+) _____

b. (-,-) _____

c. (+,-) _____

d. (-,+) _____

12. BONUS - what do you see if you connected all four points: (7,3), (-7,3), (-7,-3), and (7,-3)?