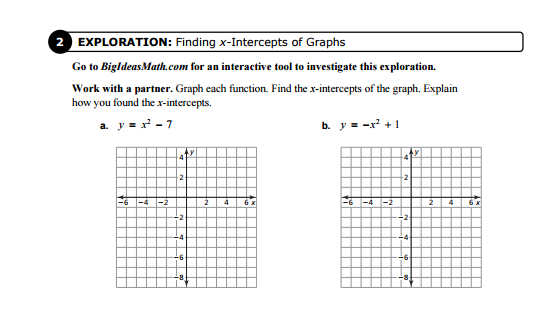


What do you notice when the value of c is positive?

What do you notice when the value of c is negative?

**Steps for finding zeros or x-intercept using the calculator:**

1. Open a new graph.
2. Enter equation into f(x).
3. Push “MENU”
4. Push “6” (Analyze Graph)
5. Push “1” (Zero)
6. Scroll the line to the left of one x-intercept. Push “ENTER”.
7. Scroll the line to the right of the same x-intercept. Push “ENTER”.
8. Repeat steps 3 – 7 for the second x-intercept.

**Practice:**

**For each equation below, describe the graph of the quadratic function.**

Does it open up or down? Does it stretch? Does it shift up or down?

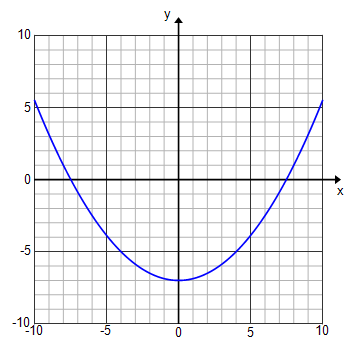
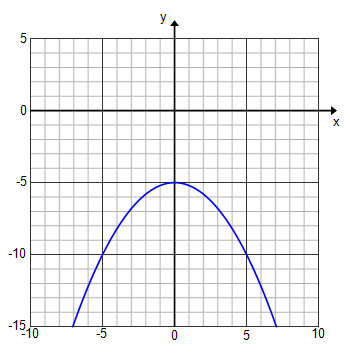
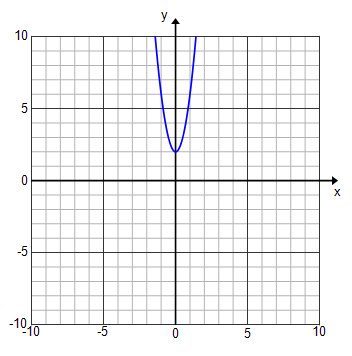
1. 2.

3. 4.

5. 6.

equation below, describe the graph of the quadratic function.le b individually. The teacher will walk around checking

**For the following graphs, identify the value of c and describe the value of a.**

9. 10. 11.

**Graph the following equations and find the zeros if they exist.**

12. 13.

14. 15.