**Algebra 2**

**Day 2 Warm Up**



Time Limit: 10 minutes

This is a grade worth 10 points in the “Classwork” category.

f(x) graph

1. **Domain**: How far to the **left** does this graph go? \_\_\_\_\_\_\_ How far to the **right** does this graph go?\_\_\_\_\_\_\_

2. **Range**: How far **down** (give the lowest y) does this graph go? \_\_\_\_\_\_\_ How far **up** does this graph go? \_\_\_\_\_\_\_\_\_\_

3. **X-intercept:** Where does it look like the graph touched the x-axis? (hint: there are 2 x-values) \_\_\_\_\_\_ and \_\_\_\_\_\_

4. **Reading a graph:** When you see a graph, you want to be able to pick out points on the graph and put them in function notation. For example, in the graph above, there is a point at (5,6). This can be written as f(-5) = 6. See if you can find the following values: f(-5) = \_\_\_\_\_ f(1) = \_\_\_\_\_ f(0) = \_\_\_\_\_ f(3) = \_\_\_\_\_

5. **Function operations**: Easy enough right…now see if you can do something with those values once you’ve found them. Find these: Example: f(-5) + f(0) would equal 5 + 2 = 7.

 A. f(5) + f(- 2) = \_\_\_\_\_\_\_ B. f(5) times f(-2) = \_\_\_\_\_\_\_\_ C. $\frac{f(0)}{f(5)}+22=\\_\\_\\_\\_\\_\\_\\_$