Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

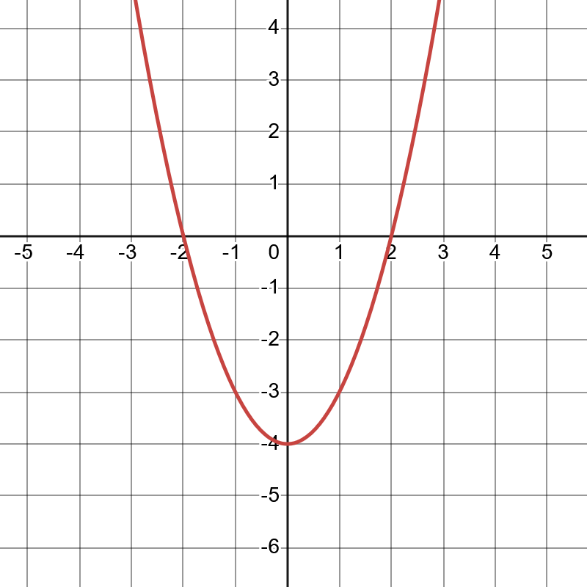
Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Warm Up 1.2 SHOW YOUR WORK!!!**

Solve the following problems by hand, use a graphing calculator to check:

1. Consider the function and use to evaluate:

2. Use the graph of the function to answer the questions:



a) Find the domain and range in interval notation and set notation.

b) Find the intercepts.

c) Evaluate

d) For what x value(s) is ?