Day 15 Algebra 2 Warm Up

Pretest Transformations of Functions

1. Draw the graph of y = (x + 4)² - 1 without using a calculator.



2. The graph of f(x) is listed below. Let g(x) = f(x) – 17. What would the value of g(4) be?



Put your answer here:

3. The “parent” function, Function 1, is y = 3x² + 4. The new function, Function 2, is y = 3x² – 7 . What’s the difference between the 2 functions? (You may want to graph to verify)

 A. Function 2 is flipped

 B. Function 2 moved down 7 from where function 1 was.

 C. Function 2 moved up 7 from where function 1 was.

 D. Function 2 moved down 11 from where function 1 was.

4. For how many values of x does f(x) = 2?

Put your answer here:

