Algebra 2 Warm Up

Day 13



1. This graph above is most likely what type of function?

 Square root Absolute Value Cubic Reciprocal

2. If the “normal” function of the graph looks like , which one of these represents the graph above in question number one?

 f(x + 3) – 1 f(x – 3) + 1 f(x + 3) + 1

3. Draw each type of graph in the grids below: an absolute value function that is shifted to the right 2, and a quadratic function that has is shifted left four and down 2.



4. Find the vertex by completing the square: $y=x^{2}+12x+41$

5. Find the value of f(8.3) if f(x) = .605x² + 7x – 18

6. Bonus: Find the 2 solutions for the equation: x² - 5 = .25x – 2 (remember, put the left side in as y₁ and the right side in as y₂, then find the point of intersection)