

Day 6 Problems 2/27/07

- Write each quadratic function in vertex form, if not already in that form. Then analyze the graph.

1. $y = 5(x + 3)^2 - 1$ 2. $y = x^2 + 8x - 3$

3. $y = -3x^2 - 18x + 11$

Write an equation for the parabola with the given vertex that passes through the given point.

4. Vertex: $(2, 0)$

Point: $(1, 4)$

5. Vertex: $(-3, 6)$

Point: $(-5, 2)$