ALGEBRA II

Practice Problems for 5.1-5.2

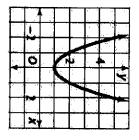
Name___

OPTIONAL REVIEW FOR QUIZ 5.1-5.2 Come in Wed Access for answers

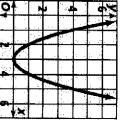
Find a quadratic model the set of values using a system of equations.

Identify the vertex and the axis of symmetry of each parabola.

ŗ



ω



Determine whether each function is linear or quadratic. Identify the a, b, and c values

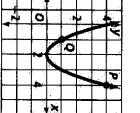
4.
$$y = 3(x+5)^2$$

$$y = 5x(x - 5) - 5x^2$$

6.
$$y = 3x(x-1) - (3x + 7)$$

For the parabola below, identify points corresponding to P and Q.

7



State whether the function has a maximum or a minimum and find its coordinates.

8.
$$y = -x^2 + 2x + 3$$

9.
$$y = 2x^2 + 4x - 3$$

10.
$$y = 5x^2 - 3$$

Graph each function by hand with a minimum of 5 points Label the vertex and the axis of