

Name _____

Due Date _____

Block _____

Quadratic Functions Practice Test #1.2

For #1-9:

- Convert to Vertex Form
- Identify the coordinates of the vertex
- Identify the roots, if any, of the function. If there are no roots, indicate that there are no roots.
- Identify the y-intercept of the function
- Graph the function (on graph paper) using all of the above and a symmetric point.

For #10, only complete tasks a, b, d, and e.

Complete on another piece of paper.

1. $y = x^2 + 4x + 3$	2. $y = -x^2 - 4x + 12$
3. $y = x^2 + 9x + 8$	4. $y = -x^2 + 12x - 32$
5. $y = 2x^2 - 16x + 30$	6. $y = 3x^2 - 12x + 12$
7. $y = -2x^2 - 24x - 54$	8. $y = 3x^2 + 6x - 72$
9. $y = x^2 - 4$	10. $y = -3x^2 + 9x + 1$