

9.1B

Date _____ Period _____

1.) Identify a and tell whether the parabola turns up or down. 2.) Write the equation for the axis of symmetry (a.o.s.) $x = -b/(2a)$. 3.) Find the vertex. 4.) Give the maximum or minimum value.

1) $y = x^2 + 8x + 18$

2) $y = -4x^2 + 24x - 37$

3) $y = -x^2 - 6x - 10$

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

5) $y = 2x^2 + 12x + 15$

6) $y = 3x^2 + 6x - 1$

7) $y = -2x^2 - 12x - 21$

8) $y = 2x^2 - 8x + 7$

9) $y = 2x^2 - 4x + 1$

10) $y = -x^2 - 4x - 5$