

Day 2 Alg 3 - 4 HW

Name _____

Date _____ Period ____

Use the information provided to write the vertex form equation of each parabola.

1) $y = x^2 + 18x + 71$

2) $y = x^2 + 8x + 9$

3) $y = x^2 - 16x + 71$

4) $y = x^2 - 18x + 72$

Use the information provided to write the standard form equation of each parabola.

5) $y = 2(x + 1)^2 - 6$

6) $y = 2(x - 9)^2 + 4$

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

8) $y = (x - 4)^2 - 8$