10D Name_____

Solving From Vertex Form

Date_____

Solve each question for the zeros. For #13-16, solve for the x-value that gives the included y-value, then state the coordinates.

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

2) $y = \frac{1}{3}(x - 6)^2 + 8$

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

4) $y = -6(x + 2)^2 + 3$

5) $y = 2(x - 9)^2 - 10$

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

7) $y = -(x + 1)^2 + 8$

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

9) $y = -\frac{3}{4}(x+7)^2 + 3$

10) $y = -\frac{1}{18}(x+4)^2 + 3$

11) $y = x^2 - 5$

12) $y = 2(x+3)^2 - 8$

13) $9 = 2(x + 7)^2 + 1$

14) $26 = -3(x - 10)^2 + 8$

15) $10 = -4(x - 7)^2 + 9$

16) $-14 = -\frac{4}{5}(x + 2)^2 - 6$