Sec 2H-Solving Quads Unit Name_____

Day 5 Homework: Solve from Factored Form-NO CALCULATOR

Solve each equation from Factored Form.

1) $(r-1)(r-3)=0$

2) $(5x-1)(x+5)=0$

3) $v^2-2v-8=0$

4) $x^2-4x=0$

5) $x^2-14x+49=0$

6) $x^2+13x+42=0$

7) $k^2-64=0$

8) $7a^2-20a+12=0$

9) $3x^2+2x-16=0$

10) $(5r-4)(5r-2)=0$

11) $(2r - 5)(r + 3) = 0$

12) $n^2 + 8n + 7 = -5$

13) $x^2 - 4 = -3$

14) $n^2 + 2n - 4 = -4$

15) $b^2 + 5b + 2 = 2$

16) $b^2 - 4b + 10 = 6$

17) $5x^2 - 14x - 1 = 2$

18) $25n^2 = -10n + 3$

Solve the equation from Vertex Form.

19) $a^2 + 4a - 1 = -4$

Review

20) A line contains the points $(1, 4)$ and $(3, -2)$. Write an equation in slope-intercept form that represents this line.