

4-1 Solve Quadratic Equations by Factoring

Date _____ Period _____

Solve each equation by factoring.

1) $a(a - 2) = 0$

2) $(m - 8)(5m - 7) = 0$

3) $(v - 7)(v - 5) = 0$

4) $p^2 - 9p + 8 = 0$

5) $r^2 - 9 = 0$

6) $r^2 + 9r + 14 = 0$

7) $25x^2 - 10x - 8 = 0$

8) $9k^2 - 3k - 2 = 0$

9) $6x^2 - 25x + 4 = 0$

10) $b^2 = 6 + 5b$

11) $2p^2 + 96 = 28p$

12) $n^2 - 9n = -20$

13) $r^2 = 1$

14) $8x^2 + 72 = 48x$

15) $4m^2 - 120 = -4m$

16) $n^2 = 2n$