

Solving Quadratic Equations

Date _____ Period _____

Solve each equation by factoring.

1) $m^2 - 2m - 24 = 0$

2) $4r^2 + 20r + 16 = 0$

3) $7p^2 + 7p = 0$

4) $p^2 - 3p - 40 = 0$

5) $b^2 - 36 = 0$

6) $n^2 - 10n + 21 = 0$

Solve each equation with the quadratic formula.

7) $3x^2 + 11x + 10 = 0$

8) $2n^2 - 3n - 35 = 0$

9) $11x^2 - 3x - 1 = 0$

10) $5n^2 + 5n - 1 = 0$

11) $5a^2 + a - 84 = 0$

12) $8n^2 - 22 = 0$

Solve each equation by completing the square.

13) $v^2 - 12v - 89 = 0$

14) $m^2 + 2m - 60 = 0$

15) $p^2 + 20p + 28 = 0$

16) $n^2 + 20n - 28 = 0$

17) $10m^2 - 20m - 5 = 0$

18) $7r^2 - 14r - 56 = 0$