

Section 7.1 and 7.2 Quiz Review

Date _____ Period _____

Solve each equation by taking square roots.

1) $7p^2 - 4 = -11$

2) $6b^2 - 9 = 81$

3) $5v^2 + 2 = 247$

Solve each equation by completing the square.

4) $a^2 - 2a - 8 = 0$

5) $n^2 + 20n + 40 = 0$

6) $3r^2 - 18r - 6 = 0$

7) $3m^2 + 18m - 81 = 0$

$$8) 9m^2 + 18m - 31 = -4$$

$$9) 4n^2 + 8n = 71$$

Solve each equation with the quadratic formula.

$$10) 12v^2 - 10v - 14 = 0$$

$$11) 5n^2 - 4n - 1 = 0$$

$$12) 12n^2 + 2 = 0$$

$$13) x^2 - 8x + 1 = 10$$

$$14) 2a^2 - 11a - 7 = 6$$

$$15) 10p^2 - 11p + 9 = 4$$