

10-2 Solving Quadratic Equations - Square Roots

Date _____ Period _____

Solve each equation by taking square roots.

1) $r^2 = 100$

2) $p^2 = 1$

3) $n^2 = -75$

4) $x^2 = 16$

5) $p^2 = 4$

6) $n^2 = 25$

7) $p^2 = -100$

8) $m^2 = 64$

9) $b^2 = -58$

10) $n^2 = 36$

11) $p^2 + 8 = 72$

12) $4n^2 = 49$

13) $-9v^2 = -81$

14) $-2p^2 = -50$

$$15) 9n^2 = 9$$

$$16) 36x^2 = 9$$

$$17) 16x^2 = 25$$

$$18) 6v^2 = 216$$

$$19) b^2 + 7 = 88$$

$$20) -9k^2 = -9$$

$$21) 64r^2 - 7 = 74$$

$$22) -5 - 8x^2 = -99$$

$$23) 9x^2 - 8 = 217$$

$$24) 6n^2 + 4 = 604$$

$$25) 3v^2 - 6 = 237$$

$$26) -8 - 8p^2 = -656$$

$$27) 7x^2 + 10 = 38$$

$$28) 7n^2 + 6 = 349$$

$$29) 36n^2 + 10 = 46$$

$$30) 7x^2 - 3 = 60$$