

## 1.2 Solving Quadratics by Taking Square Roots

Period \_\_\_\_\_

**Solve each equation by taking square roots.**

1)  $n^2 - 3 = 5$

2)  $36x^2 = 36$

3)  $k^2 + 8 = 9$

4)  $x^2 - 7 = 29$

5)  $36b^2 = 49$

6)  $n^2 - 8 = 1$

7)  $-9 - 9a^2 = -279$

8)  $5v^2 + 1 = 86$

9)  $5v^2 + 8 = 258$

10)  $9n^2 + 5 = 14$

$$11) 6m^2 + 5 = 83$$

$$12) 5x^2 - 6 = 494$$

$$13) 8p^2 - 18 = 950$$

$$14) 2n^2 + 16 = 144$$

$$15) 6b^2 + 8 = -202$$

$$16) 9n^2 - 20 = -263$$

$$17) 64n^2 + 12 = 237$$

$$18) 20n^2 - 6 = 1614$$

$$19) 16 = (x + 2)^2$$

$$20) 2(x - 3)^2 = 72$$