

**Solving Quadratic Equations with Square Roots****Solve each equation by taking square roots.**

1)  $k^2 = 76$

2)  $k^2 = 16$

3)  $x^2 = 21$

4)  $a^2 = 4$

5)  $x^2 + 8 = 28$

6)  $2n^2 = -144$

7)  $-6m^2 = -414$

8)  $7x^2 = -21$

9)  $m^2 + 7 = 88$

10)  $-5x^2 = -500$

11)  $-7n^2 = -448$

12)  $-2k^2 = -162$

13)  $x^2 - 5 = 73$

14)  $16n^2 = 49$