

**Examples Solving Quadratic Equations Using  $x^2 = n$ ,  $x = \pm\sqrt{n}$   
rather than factoring**

**1.  $x^2 = 16$**

**2.  $x^2 = 81$**

**3.  $x^2 = 7$**

**4.  $x^2 = 50$**

**5.  $x^2 - 2 = 47$**

**6.  $x^2 + 4 = 24$**

**7.  $25x^2 = 144$**

**8.  $36x^2 = 49$**

**9.  $(x-3)^2 = 25$**

**10.  $(x+4)^2 = 16$**

**11.  $(x+2)^2 = 20$**