

## Solving for x by Taking Square Roots

Solve by using properties and taking the square root of both sides. Round all answers to the hundredths place.

1.  $a^2 = 20$

2.  $7x^2 = 84$

3.  $x^2 - 16 = 8$

4.  $7y^2 + 18 = 4$

5.  $4x^2 - 200 = -20$

6.  $(x - 4)^2 = 25$

7.  $(4t + 1)^2 = 49$

8.  $(2x - 3)^2 = 81$

9.  $5(n + 1)^2 = 40$

10.  $3(x - 2)^2 = 36$

11.  $x^2 - 18x + 81 = 24$

12.  $x^2 + 12x + 36 = 75$

13.  $x^2 - 10x + 25 = 9$

14.  $x^2 + 2x + 1 = 64$