

Name: \_\_\_\_\_

Date: \_\_\_\_\_

*Undo squaring with a square root - and remember BOTH the + and - roots. Undo a root by squaring. Last two are challenge problems*

**1.** Solve  $x^2 = 49$ .

*show your work*

**2.** Solve  $x^2 = 100$ .

*show your work*

**3.** Solve  $x^2 - 9 = 0$ .

*show your work*

**4.** Solve  $x^2 = 20$  (simplest radical form).

*show your work*

5. Solve  $2x^2 = 72$ .

*show your work*

6. Solve  $(x - 3)^2 = 16$ .

*show your work*

7. Solve  $\sqrt{x} = 5$ .

*show your work*

8. Solve  $x^2 + 5 = 41$ .

*show your work*

9. Solve  $(x + 2)^2 = 18$  (simplest radical form). ★ CHALLENGE

*show your work*

10. Solve  $3(x - 1)^2 = 48$ . ★ CHALLENGE

*show your work*