

**Day 7 – Solving by Square Roots (SIMPLE)****Name:** \_\_\_\_\_**Practice Assignment**

---

**Directions:** Solve each of the following equations.

1.  $x^2 = 64$

2.  $x^2 = 96$

3.  $x^2 - 9 = 16$

4.  $x^2 - 1 = 80$

5.  $10x^2 + 8 = 498$

6.  $2x^2 - 5 = 27$

7.  $4x^2 + 7 = 23$

8.  $2x^2 + 3 = 93$

9.  $10x^2 + 6 = 326$

10.  $2x^2 + 10 = 34$

**Day 7 – Solving by Square Roots (COMPLEX)****Name:** \_\_\_\_\_**Practice Assignment**

---

Directions: Solve each equation. Put your answers in decimal form AND simplest radical form (if necessary).

11.  $(x - 3)^2 = 4$

12.  $5(x - 4)^2 = 125$

13.  $4(x + 1)^2 = 100$

14.  $(x - 5)^2 - 100 = 0$

15.  $5(x - 1)^2 = 50$

16.  $-3(x + 2)^2 = -18$

17.  $2(x - 6)^2 - 45 = 53$

18.  $5(x + 4)^2 - 3 = 17$