**Day 4 – Solving by Square Roots (SIMPLE) Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Practice Assignment**

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

1. x2 = 64 2. x2 = 96

3. x2 – 9 = 16 4. x2 – 1 = 80

5. 10x2 + 8 = 498 6. 2x2 – 5 = 27

7. 4x2 + 7 = 23 8. 2x2 + 3 = 93

9. 10x2 + 6 = 326 10. 2x2 + 10 = 34

**Falling Object:**



How long will it take to reach the ground?

1. You drop a rock off a cliff that is 520 feet high.
2. You drop your pencil off your desk that is 3 feet high.

Application:

13. For a period of 48 months, the average monthly operating costs for a small business C (in dollars) is approximated by the model C = 0.55t2 + 550, where t is the number of months. During which month was the average operating cost $1045?