**Extra Credit 46 - 49**

**Extra #46**

**Solve – no calculator**

**1.** **2.**

**Solve. Give the exact answer and the answer to 3 decimals**

**3.**  **4.**

**5.** **6.**

**Extra #47**

**1**. **2.**

**3.**

**4.**

**5.**

**6.**

**Extra #48**

**Write an equation for the following situations and solve. Round final answers to 2 decimals.**

**1.** How many years will it take a sum of money to quadruple if it is invested at 7%

**2.** A strain of bacteria grows continuously at 87% a day. How long will it take 9 bacteria to

 grow to 738?

**3.** 250 mg of an element decays to 200 mg in 48 hours. Find the half-life of the element.

**Extra #49**

**Solve the right triangles. Angle C is . Round the sides to the nearest tenth and the angles to the nearest degree.**

**1**. a = 12, A = 35

**2.** a = 4, b = 7

**3.** b = 52, c = 95