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

MEDICATION SAFETY CALCULATIONS PRACTICE

Bring these completed calculations to Lab #1

Please place your name in the upper right hand corner of your paper. Complete the calculations on a separate piece of paper. Place the answers on this paper and staple all papers together. While participating in the day you will: check your answers and review those you missed with faculty. Turn in your work to faculty prior to leaving.

1. **SAFETY**

List the **6 rights**: **2-point identifier**: 1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2. CONVERSIONS**

An infant weighs 3600g. The weight in kg is: \_\_\_\_\_\_\_\_\_\_\_\_.The weight in pounds is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**3. DRIP RATE**

Order reads: Clindamycin 900 mg IV Q (every) 6 hours

* 1. Safe dose is: 600 – 4800 mg per day, divided doses dependent on infection severity
  2. Supply is: 600 mg /4ml
  3. Set & solution is (always check package) 60 ml tubing set and 100 ml bag D5W
  4. Instructions: Infuse over 30 minutes

Correct dose of Clindamycin to add to the IVPB \_\_\_\_\_\_\_\_\_\_\_\_ml

Flow rate in gtts/min\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**4.** **RECONSTITUTION**

**Baby weighs 4 kg**

Order reads: Ampicillin 100 mg/kg every 12 hours

* 1. Safe dose is: 50 - 100 mg/kg per dose
  2. Supply is: 500 mg vial of powder for reconstitution
  3. Reconstitute with 1.7 ml of diluent (sterile water) gives volume of 2 ml

What is the dose (mg) to give? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the volume to give? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_