Day 1 Math

1. Administer buspirone (Buspar) 2.5 mg PO TID daily
    Available: buspirone (Buspar) 40 mg/5 mL
    How many ml will the nurse deliver per dose? Round to the nearest tenth.

2. Administer chloral hydrate 200 mg X 1 dose
    Available: chloral hydrate 250 mg/mL
    What volume should be administered? Round to the nearest tenth.

3.   66 lb   =   _____ kg
4.   10 mg   =   _____ mcg
5.   50,000 mcg   =   _____ gram
6.   5000 g   =   _____ kg

7. Order: Give 30 mg Diphenhydramine IM now.
Available: 50 mg/mL
Patient's weight: 27.2 lbs
The range for Diphenhydramine is 1-2 mg/kg. Is the dose ordered a safe dose for the patient?

8. The nurse is to administer 0.4 mg/kg/dose of a medication
    Patient's weight: 88 lbs
    Available: 2 mg/0.5 mL
    How many mL should the nurse administer?

9. The nurse is to administer 1500 mL of IV fluid over the next 12 hours per an IV pump. What rate will the nurse set the pump?

10. An order has been written to give cefazolin 1gram over 30 minutes. The drug is supplied as 1 gram/50mL. The tubing gtt factor is 60 gtt/mL. How many gtt/min should the nurse infuse?

11. A nurse is to administer ceftriaxone 1 gram over 45 minutes. The drug is supplied as 1gram/50ml. The tubing drip factor is 15 gtt/mL. How many gtt/min should the nurse infuse?

12. A nurse is caring for a client who has a new prescription for enoxaparin 1.5mg/kg/dose subcutaneous every 12 hr. The client weighs 200 lbs. How many mg should the nurse administer per dose? (Round the answer to the nearest whole number. Enter number only.)

13. A nurse is preparing to administer 12 mg of a medication IM divided into 4 equal doses. The amount available is 4 mg/mL. How many mL should the nurse administer per dose? (Round to the nearest tenth. Use a leading zero if it applies. Do not use a trailing zero. Enter numbers only.)

14. A nurse is preparing to administer 250 mg of a medicine PO daily. The amount available is 100 mg/tablet. How many tablets should the nurse administer per dose? (Round the answer to the nearest tenth. Use a leading zero if it applies. Do not use a trailing zero. Enter numbers only.)