1. A pitocin drip is being started on a patient to induce labor. The order is to administer 2 milliunits/minute and titrate by 2 milliunits/min until the desired effect is reached. The drug is supplied as 10 units mixed in 500 mL of D5W. How many mL/hr (whole number) should the IV infusion pump be set to deliver the correct amount of the drug?

2. The physician ordered gentamicin 150 mg per day over three equal doses. The drug is supplied as 25 mg/5 mL. How many mL (whole number) will you give for each dose?

3. The prescriber ordered Quinidine gluconate 600 mg TID IM. The drug is available as 200 mg/mL. How many mL (whole number) will you give for each dose?

4. A unit of blood was to infuse over a period of no more than 4 hours. It was started at 2300 hrs. At 0130, 150 mL remain. Administration set: 15 gtt/mL. At what rate (gtts/min) would you administer the blood to complete the transfusion within the allotted number of hours?
5. The patient is an order to give a total of 125 ml/hr of IV fluids. The patient has a Lidocaine drip infusing at 4mg/min. The drip is mixed as 4gm/250mL. At how many mL/hr (whole number) should the maintenance fluid be running for a total IV fluid intake of 125 mL/hr?

6. A medication order stated that 50 mL of asparaginase (Elspar) are to be added to 200 mL of D5W (Total 250 mL). Calculate the flow rate in gtts/min so that the patient who weighs 131.8 lbs receives 1 mL/kg/hr of this antineoplastic drug using a microdrip solution set.

7. Order: Phenobarbital 15 mg po BID.
   Available: Phenobarbital 20mg/5mL oral suspension.
   Child’s weight 4.5 kg
   Recommended dose: 5-7 mg/kg/day.
   What is the safe daily range for this patient in mg/day (tenths place)?

   Is the dose within the SDR?

8. The patient is on an IV fluid restriction of 75mL/hr. The patient has a Lidocaine drip infusing at 2mg/min. The drip is mixed as 1gm/250mL. At how many mL/hr (whole number) should the maintenance fluid be running for a total IV fluid intake of 75mL/hr?

9. The physician ordered Dilantin (phenytoin) 3-6 mg/kg/24h in four divided doses. The drug is available as Dilantin Suspension 25 mg/5ml. If the infant weighs 9 lbs 10 oz, how many mg (nearest 10th) per dose will you administer for the maximum dosage?
10. One tablet of 1.2 mg subl nitroglycerin was taken at the onset of chest pain and repeated 5 minutes later. How many total mg did the patient receive? (Round final answer to the nearest tenth.)

Answers:
1. 6mL/hr
2. 10mL/dose
3. 3mL/dose
4. 25 gtts/min
5. 110mL/hr
6. 60gtts/min
7. 22.5-31.5 mg/day  Yes
8. 45mL/hr
9. 6.6mg/dose
10. 2.4 mg/total