

Clinical Rotation: GI/GU

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

Math Practice Worksheet #

Date: \_\_\_\_\_

1. Demerol 75 mg is ordered. The vial is labeled 50 mg/ 2mL. How many mL do you give? \_\_\_\_\_ 3 mL
2. The physician orders packed red cells, 2 units, to be given over 6 hours (250 mL/unit). The drop factor is 10 gtt/mL. Drop rate/min? \_\_\_\_\_ 14 gtts
3. A patient is to receive D5W at 100 mL/hr. The drop factor is 10 gtt/mL. Drop rate/min? \_\_\_\_\_ 17 gtts
4. An IV infusion of regular insulin is prepared by adding 500 units to 500 mL NS. The orders are to give 35 units/hr. The drop factor is 60 gtt/mL. Drop rate/min? \_\_\_\_\_ 35 gtts
5. One L of D5W contains 10,000 units heparin sodium. An order reads, "500 units/hr IV." The drop factor is 60 gtt/mL. What is the drop rate/min? \_\_\_\_\_ 50 gtts
6. Aminophylline 1000mg in added to a liter of D5W for IV infusion with an order to administer 45 mg/hr. The drop factor is 60 gtt/mL. Infusion rate in mL/hr? \_\_\_\_\_ 45 mL
7. One mL of pentobarbital sodium contains gr  $\frac{3}{4}$ . How many mL should be administered if gr ss are ordered IM? \_\_\_\_\_ 0.67 mL
8. The physician orders penicillin G benzathene suspension 900,000 units deep IM. Supplied is a multiple dose vial containing 300,000 units/mL. How many mL should be administered? \_\_\_\_\_ 3 mL
9. A 2 mL vial of midazolam HCL injection contains 10 mg (5mg/mL). How many mL should be administered to a 154 lb. Patient if a dosage formulation of 0.07 mg/kg is used? \_\_\_\_\_ 0.98 mL
10. If the dosage regimen for bleomycin sulfate is 0.25 to 0.50 units/kg IM, what is the minimum dosage for a patient weighing 145 lb? \_\_\_\_\_ 16 units