## Module 03 Case Scenario – Interpreting IV Orders and Solutions

Directions: Add your answers in the spaces provided. Be sure to show your calculations.

**Scenario 1**

Potassium Chloride 20 mEq

D5W 1000 ml

Infuse over 10 hours.

1. Potassium Chloride is available as 2 mEq/ml. How many milliliters should be added to the D5W bag?
2. What is the drip rate in ml/hr? What is the drip rate in ml/min?
3. An IV tubing set of 10 gtts/mL is being used. What are the gtts/min?
4. **If it was continued at the same rate,** how many mEq of potassium chloride will the patient receive in 24 hours?
5. How many grams of Dextrose are in this bag?

**Scenario 2**

Regular Insulin 100 units

0.9% NS 100 ml

Rate: 20 ml/hr

1. Insulin is available as 100 units/ml. How many milliliters should be added to the 0.9% NS bag?
2. How many units of insulin is the patient receiving each hour?
3. How many hours will this bag last?
4. How many bags are needed for a 24 hour supply?
5. The prescriber instructs the nurse to decrease the drip to 10 units per hour. What is the flow rate in ml/hr?