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Module 1 Worksheet

Name Peggy McDonald

1. Infuse ceftriaxone 1 gram over 45 minutes. The drug is supplied as

1 gram/50ml. The drip factor is 15. How many gtt/min will you infuse?

$$\frac{50 \times 15}{45} = 17 \text{ gtt/min}$$

2. The physician writes an order to give 1000mL of normal saline over 8hrs.

How many mL/hr will you infuse?

$$\frac{1000}{8} = 125 \text{ mL/hr}$$

3. Infuse vancomycin hydrochloride 1.5 gram over 3 hours. The drug is

supplied as 1.5 gram/250mL. The drip factor is 15. How many gtt/min will

you infuse?

$$\frac{250 \times 15}{180} = 21 \text{ gtt/min}$$

4. An order has been written to give cefazolin 1gram over 30 minutes. The

drug is supplied as 1 gram/50mL. The gtt factor is 60. How many gtt/min

will you infuse?

$$\frac{50 \times 60}{30} = 100 \text{ gtt/min}$$

5. The nurse is to give Ciprofloxacin 500mg IV over 1 hr. The drug is supplied

as 1gram/250mL. The gtt factor is 15. How many gtt/min will you infuse?

$$\frac{500 \times 250}{1000} = \frac{125 \times 15}{60} = 31 \text{ gtt/min}$$