

Dosage Calculation WS #2

- 1.)  $\frac{V}{T} \times gtt = y = \frac{100 \times 10}{60} = 16.67 \rightarrow 17 \text{ gtt/min}$
- 2.)  $0.5 = 30 \text{ min. } \frac{150}{0.5} = 300 \text{ mL/hr}$
- 3.)  $\frac{20 \text{ mg} \times 1 \text{ mL}}{25 \text{ mg}} = 0.8 \text{ mL}$
- 4.)  $\frac{3 \text{ mg} \times 1 \text{ mL}}{5 \text{ mg}} = 0.6 \text{ mL}$
- 5.)  $\frac{5000 \text{ units} \times 2 \text{ mL}}{10,000 \text{ units}} = 1 \text{ mL/12hr} = 2 \text{ mL/day}$
- 6.)  $\frac{200 \text{ mg} \times 2 \text{ mL}}{300 \text{ mg}} = 1.3 \text{ mL/q8h}$
- ? 7.)  $30 \text{ min} = 0.5 ? \frac{100}{80}$
- 8.)  $\frac{125 \text{ mL}}{1 \text{ hr}} \times \frac{1500 \text{ mL}}{X} = 12 \text{ hours}$
- ? 9.)
- 10.)  $\frac{75 \text{ mL}}{1 \text{ hr}} \times \frac{600 \text{ mL}}{X} = 8 \text{ hours}$
- 11.)  $\frac{100 \text{ mg} \times 1 \text{ mL}}{20 \text{ mg}} = 5 \text{ mL}$
- 12.)  $39 \text{ kg} \times 50 \text{ mg} = 1950 \text{ mg/day}$