CHAPTER 7 SELF TEST 1 P. 269

MEDICATION MATH ASSIGNMENT 2 **JONNY YAP**

1. a. $\frac{250\,mL}{25{,}000\,u} \times \frac{800\,u}{hr} = \frac{200{,}000\,mL}{25{,}000\,hr} = 8\,mL/hr$

b. $\frac{250\,mL}{8\,mL/hr} = 31.25 \sim 31\,hrs$

2. 100mL/hr

3. $\frac{1000\,mL}{24\,g} \times \frac{24\,g}{24\,hr} = 41.6 \sim 42\,mL/hr$

4. $\frac{100\,mL}{125\,mg} \times \frac{10\,mg}{hr} = \frac{1000\,mL}{125\,hr} = 8\,mL/hr$

5. $\frac{100\,mL}{100\,mg} \times \frac{4\,mg}{hr} = \frac{400\,mL}{100\,hr} = 4\,mL/hr$

6. a. $\frac{250\,mL}{125\,u} \times \frac{15\,u}{hr} = \frac{3{,}750\,mL}{125\,hr} = 30\,mL/hr$

b. $\frac{250\,mL}{30\,mL/hr} = 8.3 \sim 8\,hrs$

7. $\frac{250\,mL}{24\,hrs} = 10.42 \sim 10\,mL/hr$

8. a. $\frac{500\,mL}{25{,}000\,u} \times \frac{1200\,u}{hr} = \frac{600{,}000\,mL}{25{,}000\,hr} = 24\,mL/hr$

b. $\frac{500\,mL}{24\,mL/hr} = 20.83 \sim 21\,hrs.$

9. a. $\frac{250\,mL}{250\,u} \times \frac{23\,u}{hr} = \frac{5{,}750\,mL}{250\,hr} = 23\,mL/hr$

b. $\frac{250\,mL}{23\,mL/hr} = 10.87 \sim 11\,hrs.$

10. $\frac{250\,mL}{750{,}000\,u} \times \frac{100{,}000\,u}{hr} = \frac{25{,}000{,}000\,mL}{750{,}000\,hr} = 33.33 \sim 33\,mL/hr$