

ADH2 med math assignment 1 Sophia James

Ch 4

prof test 1

① $\frac{300}{30} = 10 \text{ ml}$

② $\frac{1125}{75} = 15 \text{ ml}$

③ $\frac{1.25}{0.25} = 5 \text{ ml}$

④ $\frac{1875}{125} = 15 \text{ ml}$

⑤ $\frac{100}{20} = 5 \text{ ml}$

⑥ $\frac{0.5}{0.2} = 2 \text{ tabs}$

⑦ $\frac{100}{100} = 1 \text{ cap}$

⑧ $\frac{250}{100} = 2.5 \text{ tabs}$

⑨ $\frac{500}{250} = 2 \text{ caps}$

⑩ 1 tablet

Ch 5

prof test 2

① $\frac{10}{15} = 0.7 \text{ ml}$

② $\frac{300}{200} = 1.5 \text{ ml}$

③ $\frac{1000}{5000} = 0.2 \text{ ml}$

④ $\frac{2500}{1000} = 2.5 \text{ ml}$

⑤ $\frac{0.5}{0.4} = 1.3 \text{ ml}$

⑥ 13 units
 $10 + 3 = 13$

⑦ $\frac{1.2}{0.5} = 2.4 \text{ ml}$

⑧ 500mcg
0.5mg

- ⑨ a) 2ml
b) 1g / 2.6ml
c) $2.6 / 1 = 2.6$
d) 2.6ml
e) none
f) discard

⑩ a) 1.8ml b) 250mg/ml

c) $300 / 250 = 1.2 \text{ ml}$

d) 1.2ml

e) 1hr f) NO

Ch. 6

prof test 1

① a) 0.6 hrs.

② a) 360min

③ 150ml

b) $\frac{150 \cdot 10}{60} = 25$

b) $\frac{100}{6} = 17 \text{ gtt/s}$

3hrs = 180min

$\frac{150 \cdot 60}{60} = 150$

$\frac{100 \cdot 10}{360} = 2.7 \text{ gtt/s}$

$50 \text{ gtt/s} = \frac{150}{3} = \frac{150 \cdot 60}{180}$

④ 2ml/hr 500ml

⑤ 60min 100mg → 250ml DSW
 $\frac{250 \cdot 10}{60} = 42 \text{ gtt/s}$

⑥ 500mg → 250
1000mg → 10ml

Self test 4 #1-2

- ① a.) yes 39mg
b.) 250me/hr → 500me/hr

- ② yes 230mg 2 100mg
3 10mg

- ③ yes 80mg