(1) $\frac{250mL}{180min} \times 15 gtt/min = 21 gtt/min$

(2) $\frac{50mL}{30min} \times 60_{gtt} = 100 gtt/min$

(3) $\frac{250mL}{60min} \times 15 gtt/min = 63 gtt/min$

(4.) $\frac{100mL}{60min} \times 12 gtt/mL = 20 gtt/min$

(5.) $\frac{1000mL}{8hr} = 125 mL/hr$

(6.) $\frac{1000mLS}{4hr} = 250mL/hr$

(7.) $\frac{250mL}{1.5hr} = 167mL/hr$

(8.) $\frac{75mcg}{100mcg} \times 2mL = 1.5mL$

(9.) $\frac{5mg}{20mg} \times 5mL = 1.25mL$

(10.) $\frac{2mg}{10mg} \times mL = 0.2mL$

(11.) $\frac{100 \times 145mL/hr}{79.5kg \times 60} = 3mcg/kg/min$

(12.) $\frac{(kg) \times (mcg/kg/min) \times 60}{Conc.}$

$\frac{70kg \times (1 mcg/kg/min) \times 60}{250{,}000 mcg/500mL}$

$(500) mcg/mL$

$\frac{4200}{500} = 8 mL/hr$

(13.) $\frac{(\frac{100{,}000 mcg}{250mL}) (12mL/hr)}{60} = 80 mcg/min$

$\frac{4800}{60}$

4. $\frac{kg \times dose \times 60}{concen.}$

$\frac{75kg \times (2mcg/kg/min)(60)}{\frac{800000\,mcg}{500mL}}$ $\frac{9000}{1600}$ 1,600

5.6 mL/hr

15. $\frac{4mcg/kg/min \times 60}{64mcg/mL}$

3.8 mL/hr

16. $\frac{(50mcg/mL)(15\,mL/hr)}{65kg \times 60min} = \frac{750}{?}$

0.25

17. $\frac{500units}{25\,000units} \times 250mL$

5mL/hr

18. $\frac{5units}{100units} \times 250mL$

12.5mL/hr

19. $4mL \times 50 \times 90.9$

18 L = 18000mL

20. $4mL \times 68.2 \times 75$

20460mL

20.L