

2a) 1:1,000 epinephrine =

1 g epinephrine
1,000 mL H <sub>2</sub> O

2b)

$$\frac{1 \text{ g}}{1,000 \text{ mL}} = \frac{x}{10 \text{ mL}}$$

$$1,000 x = 10$$

$$x = \frac{10}{1,000} = .01$$

.01 g epinephrine
10 mL H <sub>2</sub> O

2c)

1:1,000 epinephrine =  $\frac{1 \text{ g}}{1,000 \text{ mL}}$

$$\frac{1 \text{ g}}{1,000 \text{ mL}} = \frac{x}{100 \text{ mL}}$$

$$1,000 x = 100$$

$$x = \frac{100}{1,000} = .1 \text{ g}$$

$$\frac{.1 \text{ g epinephrine}}{100 \text{ mL}} = \boxed{.1\% \text{ epinephrine}}$$