

$$1. \quad \begin{array}{r} .4 \quad X \\ \hline .005 \quad 100 \end{array}$$

$$\frac{.005X}{.005} = \frac{40}{.005}$$

$$X = 8000$$

8000%

$$2. \quad \frac{.043 \text{ m}}{1 \text{ min}} \cdot \frac{100 \text{ cm}}{1 \text{ m}} \cdot \frac{1 \text{ in}}{2.54 \text{ cm}} \cdot \frac{1 \text{ ft}}{12 \text{ in}} \cdot \frac{60 \text{ min}}{1 \text{ hr}} \cdot \frac{24 \text{ hr}}{1 \text{ d}}$$

$$\frac{365 \text{ d}}{1 \text{ yr}} \cdot \frac{100 \text{ yr}}{1 \text{ cent}} = \frac{226008000}{30.48} \approx \frac{7414961 \text{ ft}}{1 \text{ century}}$$

$$3. \quad I = Prt + Prt$$

$$4.46 = P(.019) + (139.30 - P).034$$

$$4.46 = .019P + 4.7362 - .034P$$

$$\begin{array}{r} -4.7362 \qquad \qquad -4.7362 \\ \hline \end{array}$$

$$-.2762 = -.015P$$

$$\begin{array}{r} -.015 \qquad \qquad -.015 \\ \hline \end{array}$$

$$18.41 \approx P$$

\$18.41

$$4. \quad A = P \left(1 + \frac{r}{\text{per}} \right)^{t \cdot \text{per}}$$

$$A = 83.39 \left(1 + \frac{.99}{52} \right)^{33/12 \cdot 52}$$

$$A = 83.39 \left(1 + \frac{.99}{52} \right)^{143}$$

$$A = 1236.99$$

\$ 1,236.99 no, they are not still friends 😊

$$5. \quad 6.79 + 2.99 + 27.50 + 12.75 + .99$$

$$51.02 \times (.9)^3 \approx \text{span style="border: 1px solid black; padding: 2px;">37.19$$

$$\begin{array}{l} \text{*}.065 / \text{TAX} \\ \text{*}.0005 / \text{TIP} \end{array} \quad = .0185 \approx \text{span style="border: 1px solid black; padding: 2px;">.02$$

$$\text{span style="border: 1px solid black; padding: 2px;">2.42$$

Big Daddy's total = \$39.63

$$6. \quad 2300 - 5 \cdot 111$$

$$\frac{1745}{x} = \frac{12}{100}$$

Gertie needs to sell

$$\text{span style="border: 1px solid black; padding: 2px;">\$14,541.67$$

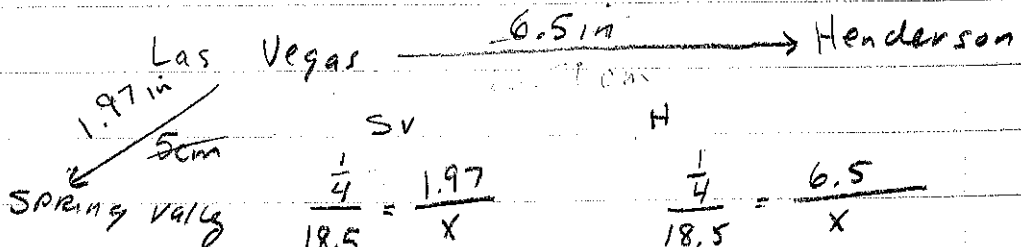
$$x = 14,541 \frac{2}{3}$$

7.

$$19.24 - 5.83$$

$$13.41 \text{ gal} \times 128$$

$$\text{span style="border: 1px solid black; padding: 2px;">1,716.41 - 02.$$



$$5.83 \text{ gal} = \frac{145.78 \text{ miles}}{25}$$

$$\frac{481 \text{ miles}}{25} = 19.24 \text{ gal}$$