Chapter 1 Pg 66 #1-10

1) B $150 - x$

2) D $\$34.95x + \$7.50$

3) C $6(4) + 8(2) + 10(3) + 15(1) = 85$

4) C $C = -\frac{5}{9}(-13 - 32)$
        $= -\frac{5}{9}(-45)$
        $= -25$

5) D

6) C   Vol sphere $= \frac{4}{3}\pi r^3$
        $\frac{4}{3}\cdot\pi\cdot 4^3 = \frac{256}{3}\pi \text{ in}^3$

7) B $\frac{3}{2} = 1.5$

8) D $16(11.32)$

9) D $\$5x + \$8.50x + \$47$

10) D $A = bh$
        $= 9(12)$
        $= 108 \text{ in}^2$

Chapter 2 Pg 130 #1-16

1) D $\frac{9.9}{2.2} = 4.5$

2) A $\begin{array}{r} \$4,819.25 \\ \times\ .095 \\ \hline \$458 \end{array}$

3) A $\frac{8 \text{ miles}}{80 \text{ min}}$ 1 hr 20 min = 80 min

        $\frac{1 \text{ mile}}{10 \text{ min}} \cdot \frac{6}{6} = \frac{6 \text{ miles}}{1 \text{ hr}}$

4) B $\frac{5 \text{ min}}{24 \text{ hr}} = \frac{x \text{ sec}}{2 \text{ hr}}$ 300 sec

        $\frac{300}{24} = \boxed{25} \ / \ 2$

5) B $\frac{96''}{18''} \cong \frac{5.3}{1}$ 8 ft

6) A $-|6^2| = -|36| = -36$

7) C

8) C $2x + 2 = \boxed{2}x - 3$
        $2 = -3 \text{ not } !$

9) D

10) B

11) C $\frac{20}{x} \bowtie \frac{4}{x-5}$
        $\boxed{20(x-5) = 4x}$
        $20x - 100 = 4x$
        $16x = 100$

12) 6 $4x + 2 = 6x - 10$
        $-2x = -12$
        $x = 6$

13) 6960

14) 64 $\frac{112 \text{ mile}}{105 \text{ min}} = \frac{1.067 \text{ mile}}{\text{min}}$
        $\begin{array}{r} \times\ 60 \\ \hline 64 \text{ miles} \\ \text{hr} \end{array}$