

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 $\text{Vol sphere} = \frac{4}{3}\pi r^3$
 $\frac{4}{3}\pi \cdot 4^3 = \frac{256}{3}\pi \text{ in}^3$
 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 $\frac{8 \text{ miles}}{80 \text{ min}} \quad 1 \text{ hr } 20 \text{ min} = 80 \text{ min}$
 $\frac{1 \text{ mile}}{10 \text{ min}} \cdot \frac{6}{6} = \frac{6 \text{ miles}}{1 \text{ hr}}$

4) B $\frac{5 \text{ min}}{24 \text{ hr}} = \frac{x \text{ sec}}{2 \text{ hr}}$
 $\frac{300}{24} = \frac{25}{2}$

5) B $\frac{96''}{18''} \approx \frac{5.3}{1} \text{ ft}$

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

7) C

8) C $2x + 2 = 2x - 3$
 $2 = -3$ not!

9) D

10) B

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

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

13) 6960

14) 64 $\frac{112 \text{ miles}}{105 \text{ min}} = \frac{1.067 \text{ miles}}{\text{min}}$
 $\times 60$
 64 miles/hr