#W review: 4F

$$5(x+8) > 2(x+7) + 3(x+4)$$
 $5x+40 > 2x+14+3x+12$

$$5x + 40 > 5x + 26$$

 $-5x - 40 = -5x - 40$
 $0 + 0 > 0 + - 14$
 $0 > -14$ the for all x

$$\begin{array}{c}
13 \\
4 \cdot \frac{-x}{4} < (-2x + 7) \cdot 4 \\
-x < -8x + 28 \\
+8x + 8x \\
7x < 28 \\
7 < 4
\end{array}$$

$$\begin{array}{c|c}
\hline
10 & 7 & -7 \\
\hline
7 & -4 & < -7 \\
\hline
7 & +4 & -7 \\
\hline
-7 & +4 & < -14 & 4 \\
\hline
X & < -56
\end{array}$$

$$\frac{X}{-4} = \frac{-X}{4} = -\frac{X}{4}$$

initial rental cost \$36 Cost per cone: \$0.52 Sell price \$1/40 per cone P=profit C=# of cones he makes/sells 36+052c = total cost 1.40c = total sales P = 1.40c - (36 + 0.52c)P > 0 1.4c-(36+0.50c)>0 1.46-36-0.526 >0 0.882>36 C>40.91 <>> 41.06

$$\bigcirc$$
 64 hz 23,000 hz
 $X = \text{frequency}$

$$64 \le x \le 23,000$$

$$125 \le r \le 2000$$

$$C$$
 $1000 \le W \le 123,000$ $16 \le E \le 12,000$ not

$$\begin{array}{c} (J) & (N-e) \leq 123,000 \\ 64 \leq h \leq 23,000 \\ 67 \leq d \leq 45,000 \\ (J-h) \\ 23,000 \leq (J-h) \leq 45,000 \end{array}$$

homework: -> p. 415 5-23 odd -> STUDY FOR TEST 6.1-6.5