

Elimination!

$$\begin{array}{r}
 \textcircled{1} \quad 3T + 4F = 43 \quad \leftarrow 3T + 4(5.50) = 43 \\
 - \quad 3T + 6F = 54 \\
 \hline
 0 \quad -2F = -11 \\
 \quad \quad -2 \quad -2 \\
 \hline
 \boxed{F = 5.50} \text{ \$}
 \end{array}$$

$$\begin{array}{r}
 3T + 22 = 43 \\
 - 22 \quad - 22 \\
 \hline
 3T = 21 \\
 \frac{3T}{3} = \frac{21}{3} \\
 \boxed{T = 7} \text{ \$}
 \end{array}$$

$$\begin{array}{r}
 \textcircled{2} \quad 2(2B + 3K = 42.50) \\
 \quad 5B + 6K = 94.25 \\
 \hline
 - \quad 5B + 6K = 94.25 \\
 \quad 4B + 6K = 85 \\
 \hline
 1B = 9.25
 \end{array}$$

Answer:

$$\boxed{B = \$9.25} \\
 K = \$8$$

Top: $2(9.25) + 3K = 42.50$

$$\begin{array}{r}
 18.50 + 3K = 42.50 \\
 -18.50 \quad -18.50 \\
 \hline
 3K = 24
 \end{array}$$

$$\frac{3K}{3} = \frac{24}{3}$$

$$\boxed{K = 8}$$

#12

$\textcircled{3}$

$$\begin{array}{r}
 3x + 5y = -1 \quad \rightarrow -3x + 5y = -1 \quad -1 + +3 \\
 3(x + 2y = -1) \quad \rightarrow -3x + 6y = -3
 \end{array}$$

$$\frac{-1y = 2}{-1 \quad -1}$$

$$\boxed{y = -2}$$

$(3, -2)$

$$x + 2(-2) = -1$$

$$\begin{array}{r}
 x - 4 = -1 \\
 +4 \quad +4 \\
 \hline
 \boxed{x = 3}
 \end{array}$$