Elimination!

① $3T + 4F = 43$

$-\ 3T + 6F = 54$

$0 \quad -2F = -11$

$\frac{-2F}{-2} = \frac{-11}{-2}$

$F = 5.50$ \$

$3T + 4(5.50) = 43$

$3T + 22 = 43$

$-22 \quad -22$

$\frac{3T}{3} = \frac{21}{3}$

$T = 7$ \$

② $2(2B + 3K = 42.50)$

$5B + 6K = 94.25$

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$-\ 4B + 6K = 85$

$1B = 9.25$

Answer:

$B = \$9.25$

$K = \$8$

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

$18.50 + 3K = 42.50$

$-18.50 \qquad -18.50$

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

$K = 8$

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③ $3x + 5y = -1$

$3(x + 2y = -1)$

$3x + 5y = -1$

$-\ 3x + 6y = -3$

$-1 + +3$

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

$y = -2$

$(3, -2)$

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

$x - 4 = -1$

$+4 \quad +4$

$x = 3$