

$$4. \quad 0.24(2x - 3) + 0.08 = 0.6(x + 8) - 1$$

Multiply both sides by $10^2 = 100$.

$$100[0.24(2x - 3) + 0.08] = 100[0.6(x + 8) - 1]$$

$$100[0.24(2x - 3)] + 100(0.08) = 100[0.6(x + 8)] - 100(1)$$

$$[100(0.24)](2x - 3) + 8 = [100(0.6)](x + 8) - 100$$

$$24(2x - 3) + 8 = 60(x + 8) - 100$$

$$48x - 72 + 8 = 60x + 480 - 100$$

$$48x - 64 = 60x + 380$$

$$\begin{array}{r} -48x \qquad \qquad -48x \\ 48x - 64 = 60x + 380 \\ \hline \end{array}$$

$$-64 = 12x + 380$$

$$\begin{array}{r} -380 \qquad \qquad -380 \\ -64 = 12x + 380 \\ \hline \end{array}$$

$$-444 = 12x$$

$$-\frac{444}{12} = x$$

$$-37 = x$$