

$$\begin{array}{r} 3x - 11 = 21 - 5x \\ + 5x \quad \quad \quad + 5x \end{array}$$

$$\begin{array}{r} 8x - 11 = 21 \\ + 11 \quad + 11 \end{array}$$

$$\frac{8x}{8} = \frac{32}{1}$$

$$x = 4$$