

No Solution

$$\begin{array}{r} x+4 = x+2 \\ \cancel{x} \qquad \cancel{x} \\ 4 = 2 \end{array}$$

$$\begin{array}{r} x = 2 \\ 10+b \cdot 2 = 15+b \cdot 2 \\ 10+12 = 15+12 \\ 22 = 27 \end{array}$$

$$\begin{array}{r} 10+b \cdot 6 = 15+b \cdot 6 \\ \cancel{10} \qquad \cancel{15} \\ 10 = 15 \end{array}$$

$$\begin{array}{r} x = 6 \\ 10+b \cdot 6 = 15+b \cdot 6 \\ 10+36 = 15+36 \\ 46 = 51 \end{array}$$