

Determine whether $x = 8$ is a solution to the equation $6x = 42$:

$$\text{LHS} = 6x$$

$$\text{RHS} = 42$$

$$= 6 \times 8$$

$$= 48$$

\therefore Since $\text{LHS} \neq \text{RHS}$, $x = 8$ is not a solution to the equation.