Restrictions on the variable(s): $x \neq 0$

$\frac{2x}{2} = \frac{0}{2}$

$x = 0$

LCD: $2x$

$$\frac{5}{x} \cdot \frac{2x}{1} - \frac{3x+6}{2x} \cdot \frac{2x}{1} = \frac{7}{2} \cdot \frac{2x}{1}$$

$$10 - (3x+6) = 7x$$

$$10 - 3x - 6 = 7x$$

$$4 - 3x = 7x$$

$$+3x \quad +3x$$

$$\frac{4}{10} = \frac{10x}{10}$$

$$\frac{2}{5} = x$$