

$$12) \quad \frac{x+2}{5-x} = \frac{10-x}{x+4}$$

$$(x+2) \cdot (x+4) = (5-x) \cdot (10-x)$$

Propiedad distributiva

$$x^2 + 4x + x + 2 = -5x - x + 10 - x^2$$

$$x^2 - x^2 + x + 4x + 2 = -6x + 10 - 8$$

$$5x + 2 = -6x + 2$$

$$x = -$$

$$x =$$

$$13) \quad \frac{3x+4}{3} = \frac{2x-6}{4}$$

$$4 \cdot (3x+4) = 3 \cdot (2x-6)$$

Propiedad distributiva

$$12x + 16 = 6x - 18$$

$$12x - 6x = -18 - 16$$

$$6x = -34$$

$$x = -\frac{17}{3}$$

$$x = -\frac{17}{3}$$