

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

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

Propiedad distributiva

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

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

$$x =$$

$$x = -$$

$$x =$$

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

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

Propiedad distributiva

$$x + 4 = x - 6$$

$$x - 6x = -10 - 16$$

$$x = -$$

$$x = -$$

$$x = -$$