

ECUACIONES, INECUACIONES E SISTEMAS

Resolve :

$$a) \frac{3x+2}{5} - \frac{4x-1}{10} = \frac{x+1}{4}$$

$$b) (2x-3)^2 - (x-2)^2 = 3(x+1)$$

$$c) (x+1)(x-1) = 1 - (x-2)(x+2)$$

$$d) (x+2)^2 - 2(3x-6) = 0$$

$$e) x^4 - 5x^2 + 6 = 0$$

$$f) x - \sqrt{x} = 2$$

$$g) x + \sqrt{5x+10} = 8$$

$$h) \frac{x-1}{x} + x = 1$$

$$i) \frac{x-3}{x} - \frac{x-3}{x^2} = 2$$

$$j) (x+3)(x^2-4) = 0$$

$$k) (x-5)(x^2+4) = 0$$

$$l) x(x-1)(2x-3) = 0$$

$$ll) 3x^2(x-1)^2(x^2+4) = 0$$

$$m) \frac{-4x+9}{4} < x+1$$

$$n) \frac{7-3x}{2} > x-1$$

$$\tilde{n}) \frac{2(x-2)}{3} < 2x-4$$

$$o) \begin{cases} 3-x > 0 \\ 3+x > 0 \end{cases}$$

$$p) \begin{cases} x \geq 7-x \\ 1-x \leq 2x-3 \end{cases}$$

$$q) \begin{cases} 2x+4 > 0 \\ -2x+7 \geq \frac{x}{2}-3 \end{cases}$$

$$r) \begin{cases} x-3 \leq 0 \\ 2-2x \leq 0 \end{cases}$$

$$s) \begin{cases} 3x-5y = 1 \\ x+2y = 15 \end{cases}$$

$$t) \begin{cases} x - \frac{2y}{3} = 7 \\ \frac{x}{3} - 3y = 0 \end{cases}$$