

ECUACIONES DE PRIMER GRADO

Problema 7:

Resolver el sistema

$$\frac{x+4}{3} - \frac{x-4}{5} = 2 + \frac{3x-1}{15}$$

Solución Problema 7:

$$\frac{x+4}{3} - \frac{x-4}{5} = 2 + \frac{3x-1}{15}$$

$$\frac{5(x+4)}{15} - \frac{3(x-4)}{15} = \frac{30}{15} + \frac{3x-1}{15}$$

$$5(x+4) - 3(x-4) = 30 + 3x - 1$$

$$5x + 20 - 3x + 12 = 3x + 29$$

$$5x - 3x - 3x = 29 - 20 - 12$$

$$5x - 6x = 29 - 32$$

$$-x = -3$$

$$x = 3$$