

ECUACIONES DE PRIMER GRADO

Problema 120:

Resolver

$$\frac{7x + 8}{8} - \frac{9x - 12}{16} = \frac{3x + 1}{10} - \frac{29 - 8x}{20}$$

Solución Problema 120:

$$MDC = 80$$

$$\frac{70x + 80}{80} - \frac{45x - 60}{80} = \frac{24x + 8}{80} - \frac{116 - 32x}{80}$$

$$\frac{70x + 80 - 45x + 60}{80} = \frac{24x + 8 - 116 + 32x}{80}$$

$$70x + 80 - 45x + 60 = 24x + 8 - 116 + 32x$$

$$70x - 45x - 24x - 32x = 8 - 116 - 80 - 60$$

$$-31x = 8 - 256 = -248$$

$$x = \frac{-248}{-31} = \frac{248}{31} = 8$$