

ECUACIONES DE PRIMER GRADO

Problema 17:

Resolver la ecuación

$$\frac{1}{2}(27 - x) = \frac{9}{2} + \frac{1}{10}(7x - 54)$$

Solución Problema 17:

$$\frac{1}{2}(27 - x) = \frac{9}{2} + \frac{1}{10}(7x - 54)$$

$$\frac{27}{2} - \frac{x}{2} = \frac{9}{2} + \frac{7x}{10} - \frac{54}{10}$$

m.c.m.: 10

$$\frac{135 - 5x}{10} = \frac{45 + 7x - 54}{10}$$

$$-5x - 7x = -9 - 135$$

$$-12x = -144$$

$$x = \frac{144}{12} = 12$$