ECUACIONES DE PRIMER GRADO

Problema 102:

Resolver

$$\frac{3a-3}{6} - \frac{3a+4}{7} = \frac{a-3}{2} + \frac{2a-14}{4}$$

Solución Problema 102:

$MDC = 84$

$14(3a-3) - [12(3a+4)] = 42(a-3) + 21(2a-14)$

$42a - 42 - [36a + 48] = 42a - 126 + 42a - 294$

$42a - 42 - 36a - 48 = 42a - 126 + 42a - 294$

$6a - 90 = 84a - 420$

$84a - 6a = 420 - 90$

$78a = 330$

$$\boldsymbol{a} = \frac{330}{78} = \frac{\mathbf{55}}{\mathbf{13}}$$