Solving Rational Equations

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Remember this?

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

$$9x + 8 = 6x - 60$$

Solving Rational Equations

$$\frac{y-1}{y-3} = \frac{2}{y-3}$$

$$\left(\frac{5}{x} + \frac{4}{x+3} = \frac{8}{x^2 + 3x}\right) \frac{x(x+3)}{1}$$

$x(x+3)$

$x(x+3)$

$5(x+3) + 4x = 8$

$5x + 15 + 4x = 8$

$9x + 15 = 8$

-15

$9x = -7$

$x = \frac{-7}{9}$

$$5x\left(\frac{x+1}{5}-2=\frac{-4}{x}\right)$$