

C11 - 6.5 - Rational Equations HW

Solve

$$\frac{1}{3} + \frac{1}{x} = \frac{1}{2}$$

$$\frac{1}{6} + \frac{1}{x} = \frac{1}{4}$$

$$\frac{x}{3} - \frac{2x+4}{2} = \frac{3}{4} + \frac{2x}{6}$$

$$\frac{20}{t} - 3 = \frac{8}{t} + 3$$

$$\frac{x}{2} + \frac{3}{x} = \frac{5}{2}$$

$$\frac{1}{x} + \frac{1}{(x+1)} = \frac{5}{6}$$

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

$$600 - t = \frac{990}{3.3 - t}$$

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

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

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Solve

$$\frac{3x}{x^2 - 4} - \frac{12}{x + 2} = -1$$

$$\frac{2}{x - 3} = \frac{x}{x^2 - 9} - \frac{11}{16}$$

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

$$\frac{10}{x + 5} - \frac{6}{x - 3} = \frac{12}{x^2 + 2x - 15}$$

$$\frac{12}{x - 3} - \frac{1}{x - 6} = \frac{8}{x^2 - 9x + 18}$$

$$\frac{2}{x - 3} = \frac{x + 3}{x^2 - 9} - 1$$