

Solve Rational Equations

Solve the following equations.

$$\frac{x+1}{x+3} - \frac{x-5}{x+2} = \frac{17}{6}$$

$$\frac{x+7}{4} - \frac{x+1}{2} = \frac{5-x}{3x-14}$$

$$\frac{b^2 - b - 6}{b^2} - \frac{2b + 12}{b} = \frac{b - 39}{2b}$$

$$\frac{1}{p(p-4)} + 1 = \frac{p-6}{p}$$

$$\frac{1}{h+3} = \frac{h+4}{h-2} + \frac{6}{h-2}$$

$$\frac{m+5}{m^2+m} = \frac{1}{m^2+m} - \frac{m-6}{m+1}$$

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Solve the following equations.

$$\frac{x+1}{x+3} - \frac{x-5}{x+2} = \frac{17}{6}$$

$$0, -\frac{55}{17}$$

$$\frac{x+7}{4} - \frac{x+1}{2} = \frac{5-x}{3x-14}$$

$$5, 6$$

$$\frac{b^2 - b - 6}{b^2} - \frac{2b + 12}{b} = \frac{b - 39}{2b}$$

$$3, \frac{4}{3}$$

$$\frac{1}{p(p-4)} + 1 = \frac{p-6}{p}$$

$$\frac{23}{6}$$

$$\frac{1}{h+3} = \frac{h+4}{h-2} + \frac{6}{h-2}$$

$$-8, -4$$

$$\frac{m+5}{m^2+m} = \frac{1}{m^2+m} - \frac{m-6}{m+1}$$

$$4, 1$$

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