Solve Rational Equations

Solve the following equations.

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

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

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

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

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

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

Solve Rational Equations

Solve the following equations.

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

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

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

$5, 6$

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

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

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

$\frac{23}{6}$

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

$-8, -4$

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

$4, 1$