

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

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

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