

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

$$x = 2 \text{ or } \frac{1}{7}$$

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

$$x = 3 \text{ or } 24$$

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

$$x = 0.20 \text{ or } -1.83$$

$$\frac{9}{x+3} + \frac{4}{x} = \frac{1}{6}$$

$$x = 5 \text{ or } -\frac{1}{5}$$

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

$$x = 0 \text{ or } -0.5$$

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

$$x = -1 \text{ or } -\frac{9}{5}$$