

# Section 9:6

## Solving Rational Equations

Example 1:

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

$$\frac{x}{x-2} = \frac{2}{5}$$

$$x + 5 = \frac{6}{x}$$

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

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

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

$$\frac{3}{x^2 + 5x + 6} + \frac{x-1}{x+2} = \frac{7}{x+3}$$



