

Section 5.9 WS

Date _____ Period _____

1) $\frac{3}{t} - \frac{1}{3t} = \frac{2}{3}$

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

3) $\frac{2}{x+3} - \frac{1}{x-3} = 0$

4) $\frac{t}{t-1} = \frac{t+2}{t}$

5) $\frac{6t^2 - t - 1}{3(t^2 + 1)} = 2$

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

$$7) \frac{1}{y-2} + \frac{1}{y+2} = \frac{4}{y^2-4}$$

$$8) \frac{3}{x+1} - \frac{1}{x-2} = \frac{1}{x^2-x-2}$$

$$9) \frac{6}{t} - \frac{2}{t-1} = 1$$

$$10) \frac{u}{u-2} + \frac{30}{u+2} = 9$$

$$11) \frac{2}{x-1} - \frac{x}{x+3} = \frac{6}{x^2+2x-3}$$

$$12) \frac{t}{t-1} = \frac{1}{t+2} + \frac{3}{t^2+t-2}$$