

$$\frac{6a^3+42a^2}{2a^2+26a+84}$$

$$\frac{x^3-x^2-42x}{2x^2-20x+42}$$

$$\frac{9x^2+81x}{x^3+8x^2-9x}$$

$$\frac{x^2+2x-80}{2x^3-24x^2+64x}$$

Adding/Subtracting
Rational Functions
(Fractions)

Common Denominator

$$\frac{a}{b} + \frac{c}{b} = \frac{a+c}{b}$$

Simply each expression

$$\frac{u-v}{8v} + \frac{6u-3v}{8v}$$

$$\frac{7u-4v}{8v}$$

$$\frac{m-3n}{6m^3n} - \frac{m+3n}{6m^3n}$$

$$\frac{-6n}{6m^3n} = \frac{-1}{m^3}$$

$$\frac{5}{a^2+3a+2} + \frac{5a+1}{a^2+3a+2}$$

$$\frac{5a+6}{a^2+3a+2}$$

$$\frac{5a+6}{(a+2)(a+1)}$$

$$\frac{x+2}{2x^2+13x+20} - \frac{x+3}{2x^2+13x+20}$$

$$\frac{-1}{2x^2+13x+20}$$

$$\frac{\frac{2}{3} + \frac{2}{4}}{\frac{3 \cdot 4}{3 \cdot 4}}$$

~~$$\frac{\frac{2}{3} + \frac{2}{4}}{\frac{3 \cdot 4}{3 \cdot 4}}$$~~

$$\frac{(x-8) \frac{3}{x+7} + \frac{4}{x-8} (x+7)}{(x-8)(x+7)}$$

$$\frac{(n+6) \frac{5}{n+5} - \frac{4n}{n+6} (n+5)}{(n+6)(n+5)}$$

$$\frac{3x-24}{(x+7)(x-8)} + \frac{4x+28}{(x+7)(x-8)}$$

$$\frac{5n+30}{(n+5)(n+6)} - \frac{4n^2+20n}{(n+5)(n+6)}$$

$$\frac{7x+4}{(x+7)(x-8)}$$

$$\frac{-4n^2-15n+30}{(n+5)(n+6)}$$

$$\frac{2x}{5x+4} + \frac{6x}{2x+3}$$

$$\frac{2}{3x^2+12x} + \frac{8}{2x}$$

$$\frac{7n}{n+1} + \frac{8}{n-7}$$

$$\frac{x+2}{x-7} - \frac{x^2+4x+13}{x^2-4x-21}$$

$$\frac{3x-1}{x^2+2x-3} - \frac{x-4}{x^2-9}$$

$$\frac{4x}{x^2+3x+2} - \frac{3}{x^2-5x+6}$$