

***Simplifying Rational Expressions Using Addition and Subtraction***

Perform the indicated operation.

1.  $\frac{5}{3} + \frac{1}{3}$

2.  $\frac{2}{7} + \frac{4}{5}$

3.  $\frac{1}{2} - \frac{4}{5}$

4.  $\frac{5}{7} - \frac{1}{7}$

5.  $\frac{x^2-5x}{x+3} + \frac{3x-15}{x+3}$

6.  $\frac{5x^2-7x+1}{x-3} - \frac{4x^2+3x-20}{x-3}$

7.  $\frac{9x+5}{x+2} + \frac{1-6x}{x+2}$

8.  $\frac{x}{x-5} + \frac{2x}{x+3}$

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

$$10. \frac{4x-1}{x^2+3x+2} + \frac{3}{x+1}$$

$$11. \frac{3x}{2(x-1)} + \frac{3x-2}{3(x-1)}$$

$$12. \frac{x-3}{x^2+3x-4} + \frac{2x}{x+4}$$

$$13. \frac{2x+1}{x^2-8x+15} - \frac{7}{x^2-5x}$$