

Rational Expression –  
Adding and Subtracting with Unlike Denominators

Add or subtract these rational expressions.

1.  $\frac{5}{6x} + \frac{2}{3}$

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

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

4.  $\frac{5}{4x} - \frac{7}{12x}$

5.  $\frac{3}{8x} - \frac{1}{4}$

6.  $\frac{5}{12x} + \frac{3}{4}$

7.  $\frac{7}{12} - \frac{4x}{3x}$

8.  $\frac{7}{x+2} - \frac{4}{x-5}$

9.  $\frac{2}{x-5} + \frac{3}{x-7}$

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

11.  $\frac{2}{6x-30} + \frac{7}{x-5}$

12.  $\frac{5x}{x-7} + \frac{2x}{4x-28}$

13.  $\frac{2}{4x+12} + \frac{7}{x+3}$

14.  $\frac{2}{5x-20} + \frac{7}{x-4}$

15.  $\frac{7}{x+2} - \frac{4}{3x+6}$

16.  $\frac{3x}{x-6} - \frac{6x}{4x-24}$

17.  $\frac{3}{x+5} + \frac{x}{x^2+7x+10}$

18.  $\frac{3}{x+3} + \frac{2x}{x^2+7x+12}$

19.  $\frac{5}{x+10} + \frac{4x}{x^2+12x+20}$

20.  $\frac{3}{x+3} + \frac{2x}{x^2+8x+15}$

21.  $\frac{6}{x+8} - \frac{3x}{x^2+11x+24}$