

Adding and Subtracting Rational Expressions (12.6)

1) $\frac{1}{4} + \frac{5}{6}$

2) $\frac{8}{5} - \frac{4}{15}$

Multiplying and Dividing Rational Expressions: Multiply or Divide.

3) $\frac{2x}{3} + \frac{6}{x}$

4) $\frac{4}{5x} - \frac{1}{x^2}$

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

6) $\frac{-4}{m-3} + \frac{m}{2m-6}$

7) $\frac{5x}{x^2-9} - \frac{4}{x+3}$

8) $\frac{x}{x-5} - \frac{x-5}{x}$

$$9) \frac{3}{x+5} - \frac{4}{x+1}$$

$$10) \frac{x}{x^2+x-2} + \frac{1}{x+2}$$

$$11) \frac{x}{x^2-x-30} - \frac{1}{x+5}$$

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

Answers

$$9) \frac{-x-17}{(x+5)(x+1)}$$

$$10) \frac{2x-1}{(x+2)(x-1)}$$

$$11) \frac{6}{(x+5)(x-6)}$$

$$12) \frac{x+6}{(x+2)(x-2)}$$