

Rational Expressions 3
Algebra 2

Simplify.

1) $\frac{36a^2b^3}{9a^3b}$

2) $\frac{28c^3d^4f}{56cd^2f^3}$

3) $\frac{x^2+7x+10}{x^2+2x-15}$

4) $\frac{10x+5}{x^2-x-6}$

5) $\frac{14}{12} \cdot \frac{4}{21}$

6) $\frac{4}{5} \div \frac{14}{15}$

7) $\frac{3x}{7} \cdot \frac{8y}{9}$

8) $\frac{x^2-x-12}{4x^2-16} \div \frac{x^2+7x+12}{x^2-x-6}$

9) $\frac{3}{5} + \frac{1}{5}$

10) $\frac{4}{9} + \frac{1}{3}$

11) $\frac{2}{7} - \frac{1}{4}$

12) $\frac{1}{5} + \frac{7}{5x}$

13) $\frac{10}{12k} - \frac{2}{3}$

14) $\frac{3v}{6t} + \frac{10t}{8v}$

15) $\frac{11x-7}{2x^2+10} + \frac{5}{2x}$

16) $\frac{4x+6}{x^2-25} - \frac{x-3}{x^2+6x+5}$

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

18) $\frac{5x+2}{x^2-8x+16} - \frac{x+4}{x-4}$