Algebraic Fractions

Simplify fully.

$$\frac{x^2}{x}$$

Simplify fully.

$$\frac{3x^3}{6x}$$

Simplify fully.

$$\frac{10x^2 y^2}{5x^4 y}$$

Simplify fully.

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

Simplify fully.

$$\frac{x^2 - 5x}{x - 5}$$

Simplify fully.

$$\frac{3x - x^2}{6 - 2x}$$

Simplify fully.

$$\frac{x^2 - x - 6}{x - 3}$$

Simplify fully.

$$\frac{x^2 - x - 6}{x^2 + x - 12}$$

Simplify fully.

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

Simplify fully.

$$\frac{24(x + 6)^2}{4(x^2 - 36)}$$

Simplify fully.

$$\frac{2x^2 + 5x + 3}{x^2 + x}$$

Simplify fully.

$$\frac{2x}{7} + \frac{3x}{7}$$

Simplify fully.

$$\frac{4x}{5} - \frac{x}{5}$$

Simplify fully.

$$\frac{2y}{3} + \frac{y}{2}$$

Simplify fully.

$$\frac{2}{x} + \frac{5}{x}$$

Simplify fully.

$$\frac{3}{x} + \frac{7}{2x}$$

Simplify fully.

$$\frac{x}{2} + \frac{x + 1}{3}$$

Simplify fully.

$$\frac{x - 3}{4} + \frac{x + 1}{3}$$

Simplify fully.

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

Simplify fully.

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

Simplify fully.

$$\frac{1}{x} + \frac{4}{3(x + 1)} + \frac{2}{x + 2}$$

Simplify fully.

$$\frac{2}{x^2 + 2x - 8} - \frac{3}{x^2 - 16}$$

Simplify fully.

$$\frac{x}{5} \times \frac{x}{2}$$

Simplify fully.

$$\frac{x^3}{3} \times \frac{5x}{7}$$

Simplify fully.

$$\frac{x^3}{2} \times \frac{33}{11x}$$

Simplify fully.

$$\frac{x^3}{2y} \times \frac{6y^2}{x^4}$$

Simplify fully.

$$\frac{x - 1}{x} \times \frac{3x^4}{2(x - 1)}$$

Simplify fully.

$$\frac{x - 2}{3} \times \frac{x + 3}{12}$$

Simplify fully.

$$\frac{x}{x^2 - 1} \times 2(x - 1)$$

Simplify fully.

$$\frac{x^2 - x - 6}{2y} \times \frac{4y^2}{(x + 2)}$$

Simplify fully.

$$\frac{x^3}{2} \div \frac{x}{4}$$

Simplify fully.

$$\frac{x^3}{2} \div \frac{3y}{x}$$

Simplify fully.

$$\frac{x - 3}{4} \div \frac{x - 3}{3}$$

Simplify fully.

$$\frac{x - 2}{(x + 3)^2} \div \frac{2}{(x + 3)}$$

Simplify fully.

$$\frac{x - 2}{(x + 2)^2} \div \frac{2}{x^2 - 4}$$

Simplify fully.

$$\frac{6}{x^2 + 2x - 8} \div \frac{3}{x^2 - 16}$$

Simplify fully.

$$\frac{6(x - 1)}{x^2 + 2x - 8} \div \frac{3(x^2 - 1)}{x^2 - 16}$$