

Simplifying Algebraic Fractions by Factorising

Increasingly
Difficult
Exercises

a) $x^2 + 5x + 6$

b) $x^2 + 6x - 16$

c) $2x^2 + x - 3$

d) $\frac{x^2 + 4x - 5}{x^2 + 7x + 10}$

e) $\frac{x^2 - x - 6}{x^2 - 7x + 12}$

f) $\frac{2x^2 + 7x + 3}{3x^2 + 8x - 3}$

g) $\frac{6x^2 + 11x + 4}{6x^2 + x - 1}$

h) $\frac{x^2 - 9}{5x^2 + 13x - 6}$

i) $\frac{4x^2 - 36}{6x^2 + 14x - 12}$

j) $\frac{3x^2 + 3x - 36}{6x^2 - 24x - 30}$

k) $\frac{2x^2 - 32}{3x^3 - 9x^2 - 12x}$

l) $\frac{2x^3 - 2x^2 - 4x}{2x^3 - x^2 - 23x - 20}$

Simplifying Algebraic Fractions by Factorising

Increasingly
Difficult
Exercises

a) $x^2 + 5x + 6$

b) $x^2 + 6x - 16$

c) $2x^2 + x - 3$

d) $\frac{x^2 + 4x - 5}{x^2 + 7x + 10}$

e) $\frac{x^2 - x - 6}{x^2 - 7x + 12}$

f) $\frac{2x^2 + 7x + 3}{3x^2 + 8x - 3}$

g) $\frac{6x^2 + 11x + 4}{6x^2 + x - 1}$

h) $\frac{x^2 - 9}{5x^2 + 13x - 6}$

i) $\frac{4x^2 - 36}{6x^2 + 14x - 12}$

j) $\frac{3x^2 + 3x - 36}{6x^2 - 24x - 30}$

k) $\frac{2x^2 - 32}{3x^3 - 9x^2 - 12x}$

l) $\frac{2x^3 - 2x^2 - 4x}{2x^3 - x^2 - 23x - 20}$