

Simplifying Algebraic Fractions

Simplify each of these algebraic fractions, where possible

(a)	(b)	(c)	(d)
$\frac{4x^4 + 5x^2 - 7x}{x}$	$\frac{(x+3)(x-2)}{(x-2)(3x-1)}$	$\frac{8x^4 + 4x^3 - 6x}{2x}$	$\frac{(x-2)(x+2)}{x^2 + x - 2}$
(e)	(f)	(g)	(h)
$\frac{x^2 - x - 6}{2x^2 - 5x - 3}$	$\frac{x^2 + 9x + 20}{(x+4)(x-2)}$	$\frac{x^2 + 2x}{x^2 + 5x + 6}$	$\frac{-9x^6 - 12x^3 - 3x}{-3x}$
(i)	(j)	(k)	(l)
$\frac{2x^2 + 7x + 6}{(x-5)(x+2)}$	$\frac{x^2 + 6x + 8}{3x^2 + 7x + 2}$	$\frac{7x^5 - x^4 - 2}{5x}$	$\frac{2x^3 - 5x^2 - 3x}{2x^2 - 9x + 9}$