

Algebraic Fractions Revision

(a)	(b)	(c)	(d)
Simplify $\frac{x(x-5)}{x^2}$	Simplify $\frac{x^2+2x}{x^2+7x+10}$	Simplify $\frac{x^2-x-6}{x^2+6x+8}$	Simplify $\frac{3x^2-13x+4}{x^2-16}$
(e)	(f)	(g)	(h)
Simplify $\frac{x^2}{x-2} \times \frac{3x-6}{4x}$	Simplify $\frac{x(x-1)}{x^2+2x} \div \frac{x^2-1}{3x}$	Write as a single fraction $\frac{x}{3} + \frac{2x}{5}$	Write as a single fraction $\frac{5x}{6} - \frac{x}{4}$
(i)	(j)	(k)	(l)
Simplify fully $\frac{5}{x^2} + \frac{4}{3x}$	Simplify fully $\frac{3}{x+2} - \frac{2}{x-1}$	Write as a single fraction $\frac{2x-1}{5} + \frac{x+3}{4}$	Simplify fully $\frac{x}{2x+4} - \frac{3}{x^2+5x+6}$
(m)	(n)	(o)	
Solve $\frac{x}{3} + \frac{2x-1}{4} = 1$	Solve $\frac{2(x+1)}{5} = \frac{8+x}{6}$	Solve $\frac{5}{x+3} + \frac{3}{x-1} = 4$	