12	(a)	$\frac{4(x+1)-3(x-2)}{(x-2)(x+1)}$ **or** $\frac{4(x+1)}{(x-2)(x+1)}-\frac{3(x-2)}{(x-2)(x+1)}$		3	M1	for expressing both fractions correctly with a common denominator.
		$\frac{4x+4-3x+6}{(x-2)(x+1)}$ **or** $\frac{4x+4-3x+6}{x^2-x-2}$			M1	for removing brackets in a single fraction with a correct denominator. Allow denominator to be expanded. Allow one error in the expansion of the numerator.
			$\frac{x+10}{(x-2)(x+1)}$		A1	accept $\frac{x+10}{x^2-x-2}$ oe
	(b)	$2x(x-5)=2x^2-10x$ **or** $2x(x-3)=2x^2-6x$ **or** $(x-5)(x-3)=x^2-5x-3x+15\left(=x^2-8x+15\right)$		3	M1	for multiplying $2x$ by a bracket with both terms correct **or** the 2 brackets with at least 3 out of 4 terms correct or at least 2 out of 3 terms correct
		$(2x^2-10x)(x-3)=2x^3-6x^2-10x^2+30x$ **or** $(2x^2-6x)(x-5)=2x^3-10x^2-6x^2+30x$ **or** $2x(x^2-5x-3x+15) = 2x^3-10x^2-6x^2+30x$ **or** $2x(x^2-8x+15)=2x^3-16x^2+30x$			M1	(dep) for multiplying the product of $2x$ and the 1st bracket (ft from the 1st stage) by the 2nd bracket and getting at least 3 out of 4 terms correct **or** multiplying the product of the 2 brackets (ft from the 1st stage) by the $2x$, and getting at least 3 out of 4 or 2 out of 3 terms correct
			$2x^3-16x^2+30x$		A1	
						Total 6 marks