12	(a)		$16p^6q^8$	2	B2 for all three correct terms (B1 for 2 correct terms in a product of 3 terms or for $(4p^3q^4)^2$ or $(4096p^{18}q^{24})^{\frac{1}{3}}$)
	(b)	eg $\frac{2\times10}{3x\times10}+\frac{4\times6}{5x\times6}-\frac{9\times3}{10x\times3}$ $(=\frac{20}{30x}+\frac{24}{30x}-\frac{27}{30x})$		2	M1 for a common denominator for all 3 terms with at least 2 correct equivalent fractions (no need for signs) [NB: fraction can be done in 2 parts]
		Correct answer scores full marks (unless from obvious incorrect working)	$\frac{17}{30x}$		A1 or $\frac{17}{30}x^{-1}$
	(c)	eg $4x(x-5)=4x^2-20x$ or $4x(2x+3)=8x^2+12x$ or $(x-5)(2x+3)=2x^2+3x-10x-15$ $=2x^2-7x-15$		3	M1 allow one error in the expansion of $4x(x-5)$ or $4x(2x+3)$ or $(x-5)(2x+3)$
		eg $(4x^2-20x)(2x+3)=8x^3+12x^2-40x^2-60x$ or $(8x^2+12x)(x-5)=8x^3+12x^2-40x^2-60x$ or $4x(2x^2+3x-10x-15)=8x^3+12x^2-40x^2-60x$ or $4x(2x^2-7x-15)=8x^3-28x^2-60x$			M1ft but dep on previous M1 for correctly expanding – allow one extra error or one omission.
		Working required	$8x^3-28x^2-60x$		A1 dep on M1 May be factorised if $8x^3-28x^2-60x$ seen
					Total 7 marks