

Question	Answer	Marks	Guidance
(a)	${}^6C_2 \times (3x)^4 \left(\frac{2}{x^2}\right)^2$	B1	Can be seen within an expansion.
	$15 \times 3^4 \times 2^2$	B1	Identified. Powers must be correct.
	4860	B1	Without any power of x
		3	
(b)	<i>Their</i> 4860 and one other relevant term	M1	Using <i>their</i> 4860 and an attempt to find a term in x^{-3}
	Other term = $6C3(3x)^3 \left(\frac{2}{x^2}\right)^3$ or $6C3 \times 3^3 \times 2^3$ or 4320	A1	Must be identified. If M0 scored then SC B1 for 4320 as the only answer.
	[4860 – 4320 =] 540	A1	
		3	