Question	Answer	Marks	Guidance
12	$a^5x^5 + 2a^4x^4 + \frac{8}{5}a^3x^3$	**3**	**B1** for each correct term, allow when first seen
	$1 - \frac{2b}{x} + \frac{b^2}{x^2}$	**B1**	
	$a = 2$	**B1**	
	$32 - 64b = -160$	**M1**	For using *their* expansions and *their* value for *a* to obtain two terms involving x^4
	$b = 3$	**A1**	
	$\frac{64}{5} - 192 + 288 = c$	**M1**	For using *their* expansions and *their* value for *a* to obtain three terms involving x^3
	$c = \frac{544}{5}$ oe	**A1**	
	Alternative		
	$a^5 (= 32)$	**(B1)**	
	$a = 2$	**(B1)**	
	$-2ba^5 + 2a^4 = -160$ soi $32 - 64b = -160$	**(2)**	**B1** for $2a^4$ soi **M1** For using *their* expansions and *their* value for *a* to obtain two terms involving x^4
	$b = 3$	**(A1)**	
	$\frac{8}{5}a^3 - 4a^4b + a^5b^2 = c$ $\frac{64}{5} - 192 + 288 = c$	**(3)**	**B2** for both $\frac{8}{5}a^3$ and a^5b^2 **B1** for either $\frac{8}{5}a^3$ or a^5b^2 if only one correct **M1** for using *their* expansions and *their* value for *a* to obtain three terms involving x^3
	$c = \frac{544}{5}$ oe	**(A1)**	