Question	Answer	Marks	Guidance
4(b)	$9-\frac{6}{x^2}+\frac{1}{x^4}$	**B1**	
	$(their 64\times 9)+(their -48\times -6)+(their 15)$	**M1**	For considering terms independent of x, must have 3 terms
	879	**A1**	
5	$e^y = mx^2 + c$	**B1**	May be implied by later work
	$10 = 4.74m + c$ $5 = 2.24m + c$	**M1**	For at least one correct equation
	$5 = 2.5m$	**M1**	Dep for attempt to solve for m
	$m = 2,\ \ c = 0.52$	**A1**	For both
	$y = \ln\left(2x^2 + 0.52\right)$	**A1**	
	Alternative $e^y = mx^2 + c$	**(B1)**	May be implied by later work
	Gradient = $m = \frac{10-5}{4.74-2.24}$	**(M1)**	
	$10 = 4.74(their\ m) + c$ or $5 = 2.24(their\ m) + c$	**(M1)**	
	$m = 2,\ \ c = 0.52$	**(A1)**	For both
	$y = \ln\left(2x^2 + 0.52\right)$	**(A1)**	
6(a)	$\frac{\pi}{3}$	**B1**	
6(b)	$\frac{\pi a}{3}+4a$	**2**	**B2 FT** for $\left(their\frac{\pi}{3}\times a\right)+4a$ or **B1 FT** for $their\frac{\pi}{3}\times a$