Question	Answer	Marks	Guidance
7(a)	Differentiate to obtain form $k_1(2x+1)^{-\frac{4}{3}}$	M1	
	Obtain correct $-8(2x+1)^{-\frac{4}{3}}$ or unsimplified equivalent	A1	
	Attempt equation of tangent at $\left(\frac{7}{2}, 6\right)$ with numerical gradient	M1	Gradient must come from a differentiated expression.
	Obtain $y=-\frac{1}{2}x+\frac{31}{4}$ or equivalent of requested form	A1	
		4	

Question	Answer	Marks	Guidance
7(b)	Integrate to obtain form $k_2(2x+1)^{\frac{2}{3}}$	**M1**	
	Obtain correct $9(2x+1)^{\frac{2}{3}}$ or unsimplified equivalent	**A1**	
	Use correct limits correctly to find area	**M1**	Substitute correct limits into an integrated expression. 36 – 9 minimum working required.
	Obtain 27	**A1**	**SC B1** if M1 A1 M0 scored.
		4	