Question	Answer	Marks	Guidance
(a)	State or imply $3y^2 \frac{dy}{dx}$ as derivative of y^3	**B1**	
	State or imply $2y + 2x \frac{dy}{dx}$ as derivative of $2xy$	**B1**	
	Complete differentiation and equate attempted derivative to zero and solve for $\frac{dy}{dx}$	**M1**	
	Obtain answer $-\frac{3x^2 + 2y}{3y^2 + 2x}$	**A1**	
		4	
(b)	Find gradient at either (0, – 2) or (– 2, 0)	**M1**	
	Obtain answers $\frac{1}{3}$ and 3	**A1 A1**	
	Use $\tan(A \pm B)$ formula to find $\tan\alpha$	**M1**	
	Obtain answer $\tan\alpha = \frac{4}{3}$	**A1**	
		5	