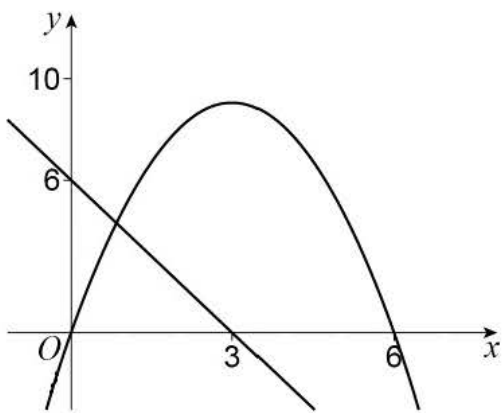
Q	Marking instructions	AO	Marks	Typical solution
9(a)	Expands bracket and differentiates with at least one term correct	3.1a	M1	$f(x) = 6x - x^2$ $f'(x) = 6 - 2x$
	Obtains $6 - 2x$	1.1b	A1	
	Subtotal		**2**	

Q	Marking instructions	AO	Marks	Typical solution
9(b)	Obtains y intercept at 6	1.1b	B1	Cuts x-axis at (3, 0) Cuts y-axis at (0, 6)
	Draws a straight line graph from a point between 0 and 10 on the y-axis to a point between 0 and 6 on the x-axis	1.1a	M1	
	Obtains x intercept at 3 with straight line graph cutting x-axis at approximately (3, 0)	1.1b	A1	
	Subtotal		**3**	

	Question 9 Total		**5**	