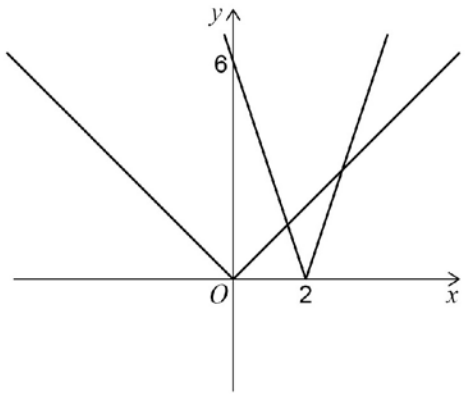
Q	Marking instructions	AO	Marks	Typical solution
4(a)	Sketches any V shaped graph with the apex on the positive x axis	1.1a	M1	
	Sketches a roughly symmetrical v-shaped graph touching the positive x-axis and intersecting $y = \|2x\|$ twice in the first quadrant Condone missing or incorrect labels on the axes	1.1b	A1	
	Subtotal		**2**	

Q	Marking instructions	AO	Marks	Typical solution
4(b)	Forms the equation $\|3x - 6\| = \|2x\|$ and selects an appropriate method to begin removing modulus signs For example Squares both sides to obtain $9x^2 - 36x + 36 = 4x^2$ or Considers $3x - 6 = 2x$ or $3x - 6 = -2x$	3.1a	M1	$\|3x - 6\| = \|2x\|$ $3x - 6 = 2x$ $x = 6$ $-3x + 6 = 2x$ $x = 1.2$ when $x = 6$ $y = 12$ when $x = 1.2$ $y = 2.4$
	Obtains $x = 6$	1.1b	A1	
	Obtains $x = 1.2$ OE	1.1b	A1	
	Obtains $y = 12$ and $y = 2.4$	1.1b	A1	
	Subtotal		**4**	

	Question Total		**6**	