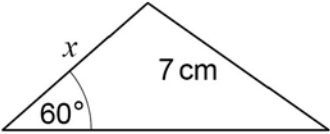


Q	Marking instructions	AO	Marks	Typical solution
5(a)	Uses cosine rule or sine rule correctly to obtain any unknown angle or length	1.1b	B1	 <p>Using cosine rule</p> $7^2 = 8^2 + x^2 - 2 \times 8 \times x \times \cos 60$ $x^2 - 8x + 15 = 0$ $x = 3 \text{ or } 5$ <p>AC = 5cm</p>
	Uses the cosine rule to find an expression for, or the length of, AC	1.1a	M1	
	Deduces that AC = 5cm (AWRT) Condone missing or incorrect units	2.2a	R1	
	Subtotal		3	

Q	Marking instructions	AO	Marks	Typical solution
5(b)	States $AD = 3\text{cm}$ Condone missing or incorrect units	1.1b	B1	$AD = 3\text{cm}$
	Subtotal		1	

	Question Total		4	
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