Q	Marking instructions	AO	Marks	Typical solution
5	Recalls tan 15° as $\frac{\sin 15°}{\cos 15°}$ OE PI by division of given surd expressions ACF	1.2	B1	$\tan 15° = \frac{\sin 15°}{\cos 15°}$ $= \frac{\sqrt{6}-\sqrt{2}}{\sqrt{6}+\sqrt{2}} \times \frac{\sqrt{6}-\sqrt{2}}{\sqrt{6}-\sqrt{2}}$ $\frac{6-2\sqrt{12}+2}{6-2} = \frac{8-4\sqrt{3}}{4}$ $= 2-\sqrt{3}$
	Multiplies top and bottom by conjugate of their denominator	1.1a	M1	
	Expands either the denominator or the numerator correctly ACF	1.1b	A1	
	Completes derivation of required expression from correct numerator and denominator AG	2.1	R1	
	Question 5 Total		**4**	