

Question			Answer	Marks	AO	Guidance
4			attempt to multiply out $\frac{1+4\sqrt{3}}{2+\sqrt{3}} \times \frac{2-\sqrt{3}}{2-\sqrt{3}} = \dots$	M1	1.1a	Multiplying by the correct conjugate, and making a valid attempt at the resulting multiplication on either numerator or denominator- condoning sign/bracket errors only
			$\frac{2-\sqrt{3}+8\sqrt{3}-12}{2^2-\sqrt{3}^2}$ or better with attempt at numerator	A1	1.1	A valid attempt at multiplication on the numerator must be made to score this mark (condoning one sign or coeff. error only) If they write down $(1 + 4\sqrt{3})(2 - \sqrt{3}) = -10 + 7\sqrt{3}$ and $(2 + \sqrt{3})(2 - \sqrt{3}) = 1$ then M0A0A0 as detailed reasoning required.
			$-10 + 7\sqrt{3}$	A1	1.1	Correct result from correct work. At least one correct intermediate line of working required before the final answer.
				[3]		