

Q	Marking Instructions	AO	Marks	Typical Solution
4	Expands with correct binomial coefficients for at least the two terms required. Accept 4C_2 etc. PI	1.1a	M1	$(\sqrt{3})^4 + 4(\sqrt{3})^3\sqrt{2} + 6(\sqrt{3})^2(\sqrt{2})^2 + 4\sqrt{3}(\sqrt{2})^3 + (\sqrt{2})^4$ $4 \times 3\sqrt{3} \times \sqrt{2} - 4 \times \sqrt{3} \times 2\sqrt{2}$ $= 12\sqrt{6} - 8\sqrt{6}$ $= 4\sqrt{6}$
	Correctly simplifies or evaluates at least one of the irrational terms PI by $20\sqrt{6}$	1.1b	B1	
	Obtains \pm correct answer Accept AWRT 9.8	1.1b	A1	
	Total		3	