

Question		Answer	Mks	AO	Guidance	
1		DR				
1	(i)	$(\sqrt{3})^7$ or $\sqrt{3^7}$ or $3^3 \times \sqrt{3}$ or $3\sqrt{243}$ $27\sqrt{3}$	M1 A1 [2]	1.1a 1.1	or any correct intermediate step using $\sqrt{\quad}$ or $3^3 \times 3^{\frac{1}{2}}$ or $a = 27, b = 3$	If this step is not seen, M0A0
1	(ii)	DR $\frac{\sqrt{2}}{1-\sqrt{2}} \times \frac{1+\sqrt{2}}{1+\sqrt{2}}$ $= \frac{\sqrt{2}+2}{1-2}$ or $\frac{\sqrt{2}+2}{-1}$ or $\frac{\sqrt{2}+2}{1+\sqrt{2}-\sqrt{2}-2}$ $= -2 - \sqrt{2}$ ISW	M1 A1 A1 [3]	1.1a 1.1 1.1	A1 for correct num OR denom or $-2 + (-1\sqrt{2})$ or $c = -2, d = -1$ and $e = 2$	If this step is not seen, M0A0 Allow $-(2 + \sqrt{2})$