

Question			Answer	Marks	AO	Guidance
3			$\frac{1}{2} \times 3 \times 5 \times \sin \alpha = \frac{5}{2}$ $\sin \alpha = \frac{1}{3}$ $\cos \alpha = \pm \sqrt{1 - \text{their} \left(\frac{1}{3}\right)^2}$ $= \frac{2\sqrt{2}}{3} \text{ or } \frac{\sqrt{8}}{3}$ $\text{or } -\frac{2\sqrt{2}}{3} \text{ or } -\frac{\sqrt{8}}{3} \text{ oe}$	M1* A1 M1dep* A1 A1 [5]	1.1a 1.1 2.1 1.1 1.1	oe, condone $\sin \alpha = \frac{1}{3}$ for M1A1 only Use of Pythagorean identity but accept in $\cos^2$ Allow without $\pm$ cao cao