

TAKE 3 ... EXACT TRIG VALUES

Q1.

Paper 1MA1: 1H			
Question	Working	Answer	Notes
(a)		$\frac{\sqrt{3}}{2}$	B1
(b)		$\frac{6}{6}$	M1 starts process eg $\sin 30 = \frac{x}{12}$ A1 answer given

Q2.

Question	Answer	Mark	Mark scheme	Additional guidance
(a)	1	B1	cao	
(b)	8	M1	starts process, eg $\cos(60) = \frac{4}{x}$ or $0.5 = \frac{4}{x}$	All three elements of cos, 4, x must be present in an equation. eg $\cos = 4/x$ is acceptable but $\cos(4/x)$ is insufficient
		A1	oe or $\sin 30 = \frac{4}{x}$ or $\frac{\sin 30}{4} = \frac{\sin 90}{x}$ oe cao	

Q3.

Question	Answer	Mark	Mark scheme	Additional guidance
	$\frac{1}{2}$	M1	for $\frac{1}{\sqrt{3}} \times \frac{\sqrt{3}}{2}$ or $\frac{\sqrt{3}}{3} \times \frac{\sqrt{3}}{2}$ or $(\frac{1}{2} \div \frac{\sqrt{3}}{2}) \times \frac{\sqrt{3}}{2}$	
		A1	OR $\tan 30 = \frac{1}{\sqrt{3}}$ oe or $\sin 60 = \frac{\sqrt{3}}{2}$ for $\frac{1}{2}$ or 0.5	