

Q1. (2021)

Q	Answer	Mark	Comments
23	105	B1	may be seen on the diagram
	$12^2 + 28^2 - 2 \times 12 \times 28 \times \cos \text{their } 105$ or [1101, 1102]	M1	oe eg $144 + 784 - 672 \cos \text{their } 105$ or $928 - 672 \cos \text{their } 105$ their 105 cannot be 0 or 90 their 105 must be < 180
	$\sqrt{\text{their } [1101, 1102]}$	M1dep	
	[33.19, 33.2] or 33	A1ft	ft B0M2
	Additional Guidance		
	Follow through answers must be rounded to 2 sf or better		