

Q1. (2017)

(A)

22(a)	Could be true	B1	
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(B)

22(b)	Must be true	B1	
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Q2. (2019)

29	27 cm	B1	
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Q3. (2019)

30	Alternative method 1		
	$\sin x = \frac{13}{16}$ or $\sin^{-1} \frac{13}{16}$	M1	oe $\sin x = 0.8125$
	54(.3...)	A1	
	Alternative method 2		
	$\cos x = \frac{13}{16}$ or $\cos^{-1} \frac{13}{16}$ and 90 – their [35.6, 36]	M1	oe
	54(.3...)	A1	
	Alternative method 3		
	$\cos x = \frac{\sqrt{16^2 - 13^2}}{16}$ or $\tan x = \frac{13}{\sqrt{16^2 - 13^2}}$	M1	oe
	54(.3...)	A1	
	Additional Guidance		
	$\sin = \frac{13}{16}$ or $\sin \frac{13}{16}$ or $\sin^{-1} = \frac{13}{16}$ unless recovered		M0
	Answer 54 from scale drawing with no trigonometry		M0A0