

Trigonometry

(SOH CAH TOA)

November 2022 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
22	8.73	M1	for a correct trig statement, eg $14.5 \times \cos 53$ or $\cos 53 = x \div 14.5$	Can use a combination of skills but must have only one unknown in x to score this mark If an answer is given in the range in working and then rounded incorrectly award full marks.
		A1	answer in the range 8.726 to 8.73	

November 2024 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
24	14.3	M1 A1	for a correct statement for AB using trigonometry, eg $\tan 62 = \frac{AB}{7.6}$ or $(AB =) 7.6 \times \tan 62$ answer in the range 14.28 to 14.3	If an answer is given in the range in working and then rounded incorrectly award full marks

June 2020 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
25	99.5	M1 A1	for $\sin(34) = \frac{x}{178}$ oe or alternative method to find x for answer in range 99.5 to 99.7	If an answer in the range 99.5 to 99.7 is given in the working space then incorrectly rounded, award full marks

November 2021 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
26 (a)	17.8	M1 A1	for $\tan 56 = \frac{x}{12}$ or $(BC) = 12 \times \tan 56$ oe or alternative method to find BC for an answer in the range 17.7 to 17.8	For any alternative method candidates must arrive at an equation with BC as the only unknown If an answer in the range 17.7 to 17.8 is given in the working space then incorrectly rounded, award full marks.
(b)	33.6	M1 A1	for $\cos x = \frac{15}{18}$ or $\cos x = 0.83\ldots$ or $x = \cos^{-1} \frac{15}{18}$ or alternative method to find x for an answer in the range 33.5 to 33.91	For any alternative method candidates must arrive at an equation with x as the only unknown If an answer in the range 33.5 to 33.91 is given in the working space then incorrectly rounded, award full marks.

November 2023 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
29	32.2	M1	for a correct trig statement, eg $28 \times \tan 49$ or $\tan 49 = AB \div 28$	Can use a combination of skills but must have only one unknown in x to score this mark If an answer is given in the range in working and then rounded incorrectly award full marks.
		A1	Answer in the range 32.2 to 32.22	