

2D Pythagoras & SOHCAHTOA

Difficulty: Easy

Question Paper 1

Level	IGCSE
Subject	Maths (0580/0980)
Exam Board	CIE
Topic	Trigonometry
Sub-Topic	2D Pythagoras & SOHCAHTOA
Paper	Paper 2
Difficulty	Easy
Booklet	Question Paper 1

Time allowed: 30 minutes

Score: /23

Percentage: /100

Grade Boundaries:

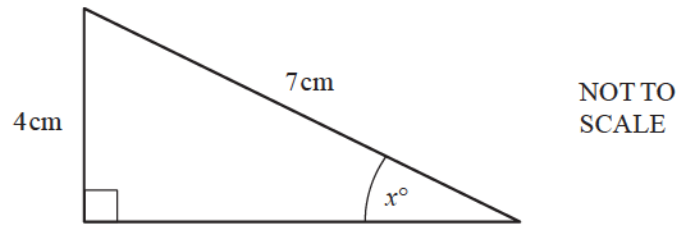
CIE IGCSE Maths (0580)

A*	A	B	C	D	E
>88%	76%	63%	51%	40%	30%

CIE IGCSE Maths (0980)

9	8	7	6	5	4	3
>94%	85%	77%	67%	57%	47%	35%

Question 1

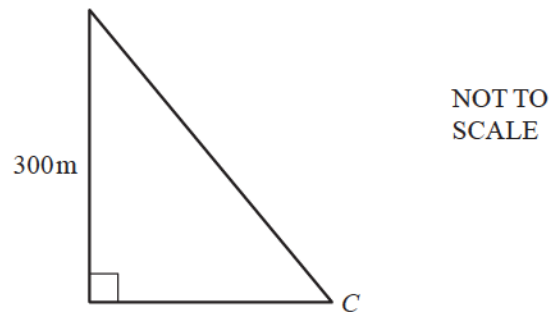


[2]

Calculate the value of x .

Question 2

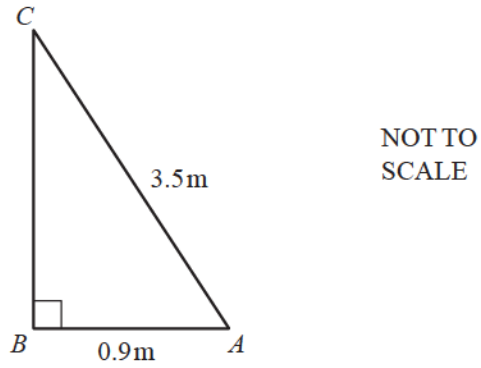
From the top of a building, 300 metres high, the angle of depression of a car, C , is 52° .



Calculate the horizontal distance from the car to the base of the building.

[3]

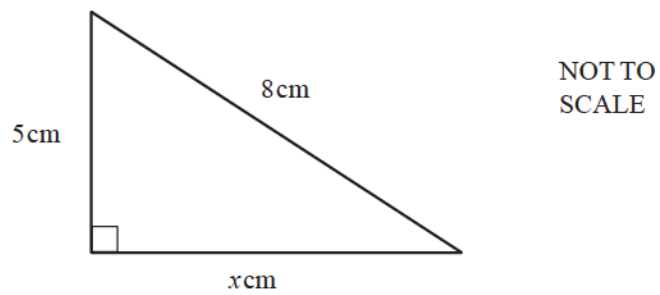
Question 3



[2]

Calculate angle BAC .

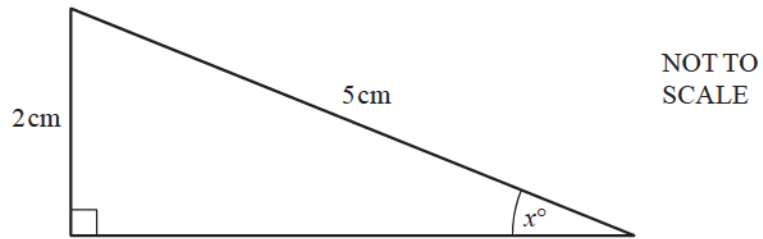
Question 4



Calculate the value of x .

[3]

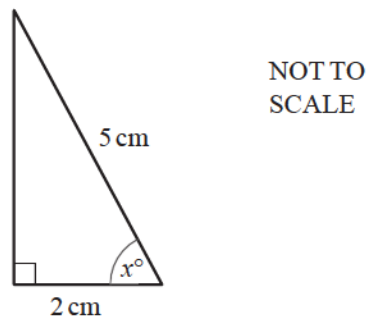
Question 5



Calculate the value of x .

[2]

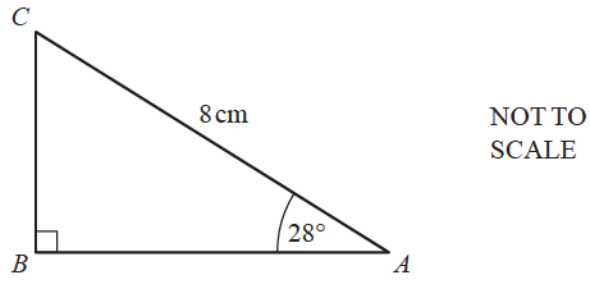
Question 6



Calculate the value of x .

[2]

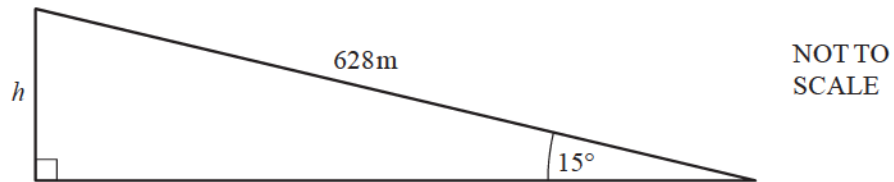
Question 7



Calculate the length of AB .

[2]

Question 8

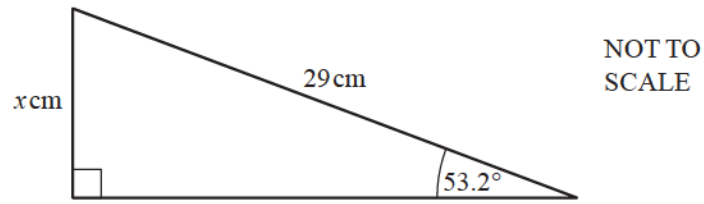


Calculate the length h .

Give your answer correct to 2 significant figures.

[3]

Question 9



[2]

Calculate the value of x .

Question 10

In the right-angled triangle ABC , $\cos C = \frac{4}{5}$. Find angle A .

[2]

