

# Sine & Cosine Rules

## Difficulty: Easy

### Question Paper 1

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

**Time allowed:** 26 minutes

**Score:** /20

**Percentage:** /100

#### Grade Boundaries:

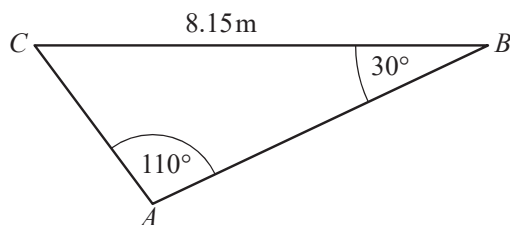
##### CIE IGCSE Maths (0580)

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

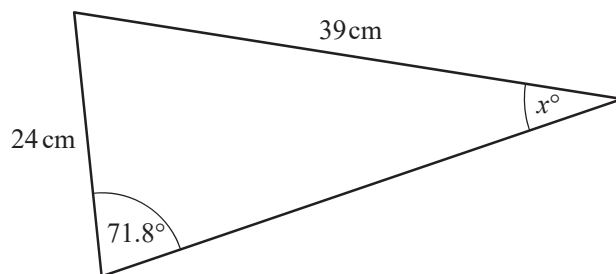


NOT TO  
SCALE

Calculate  $AC$ .

[3]

## Question 2

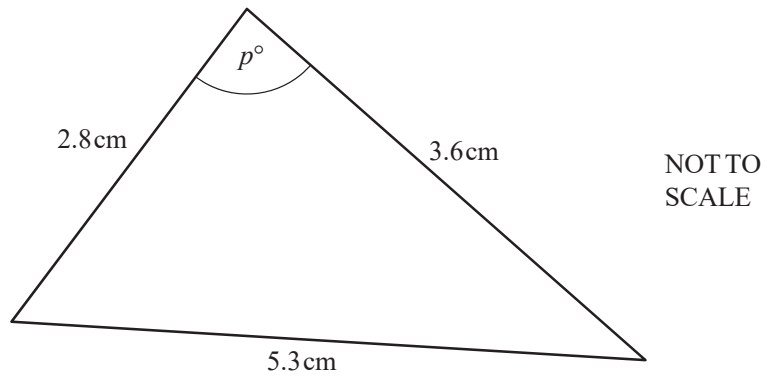


NOT TO  
SCALE

Find the value of  $x$ .

[3]

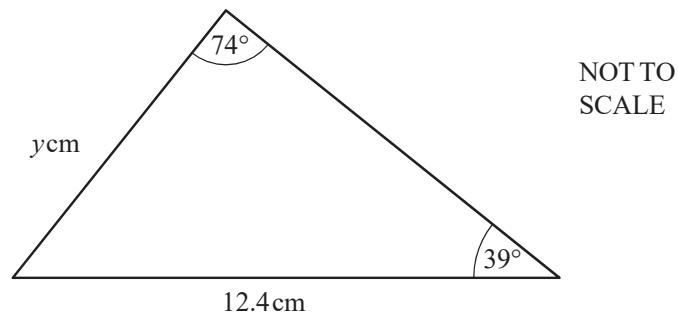
### Question 3



Find the value of  $p$ .

[4]

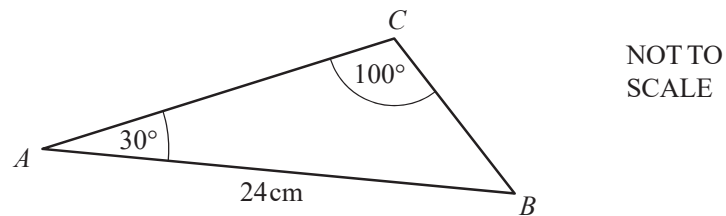
### Question 4



Calculate the value of  $y$ .

[3]

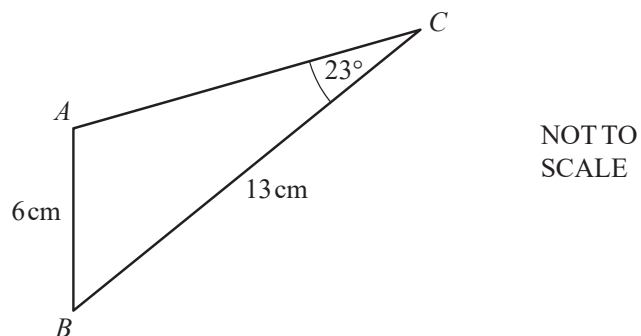
### Question 5



Use the sine rule to calculate  $BC$ .

[3]

## Question 6



In triangle  $ABC$ ,  $AB = 6$  cm,  $BC = 13$  cm and angle  $ACB = 23^\circ$ .  
Calculate angle  $BAC$ , which is obtuse.

[4]