

Area of Triangle

Difficulty: Hard

Question Paper 1

Level	IGCSE
Subject	Maths (0580/0980)
Exam Board	CIE
Topic	Trigonometry
Sub-Topic	Area of Triangle
Paper	Paper 2
Difficulty	Hard
Booklet	Question Paper 1

Time allowed: 21 minutes

Score: /16

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%

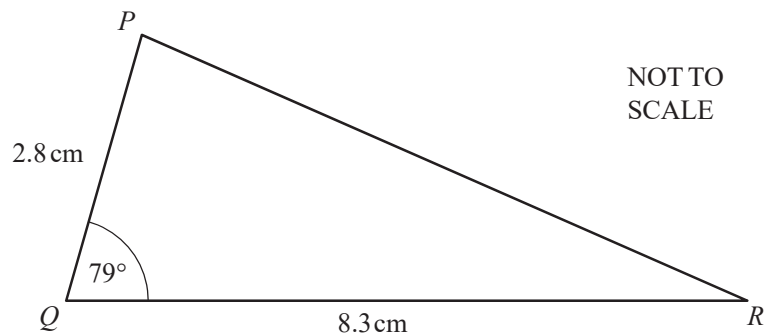
Question 1

In a triangle PQR , $PQ = 8$ cm and $QR = 7$ cm.
The area of this triangle is 17 cm².

Calculate the two possible values of angle PQR .

[3]

Question 2

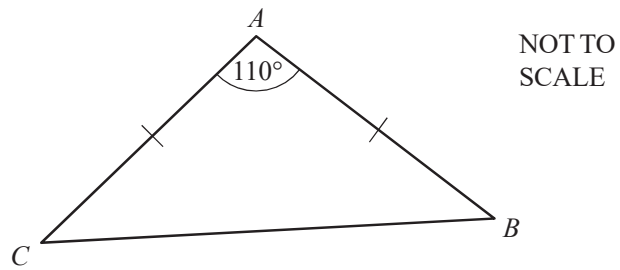


(a) Calculate the area of triangle PQR . [2]

(b) Triangle PQR is enlarged by scale factor 4.5 .

Calculate the area of the enlarged triangle. [2]

Question 3

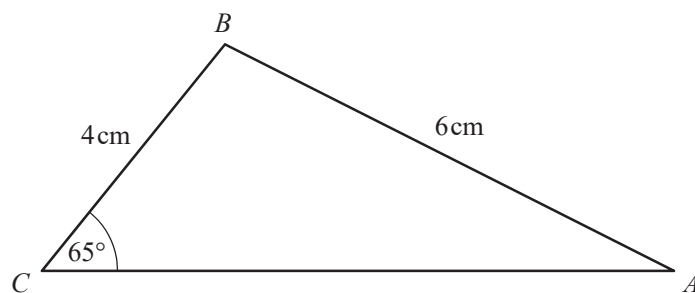


Triangle ABC is isosceles with $AB = AC$.
Angle $BAC = 110^\circ$ and the area of the triangle is 85 cm^2 .

Calculate AC .

[3]

Question 4



NOT TO
SCALE

In triangle ABC , $AB = 6$ cm, $BC = 4$ cm and angle $BCA = 65^\circ$.

Calculate

(a) angle CAB ,

[3]

(b) the area of triangle ABC .

[3]