

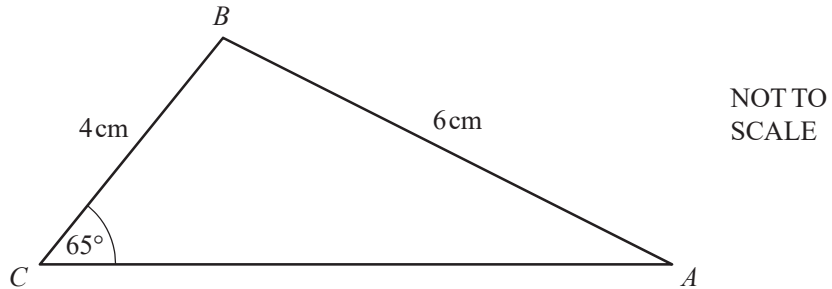


EXAM PAPERS PRACTICE

Area of Triangle

Question Paper

Question 1



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

Calculate

(a) angle CAB ,

[3]

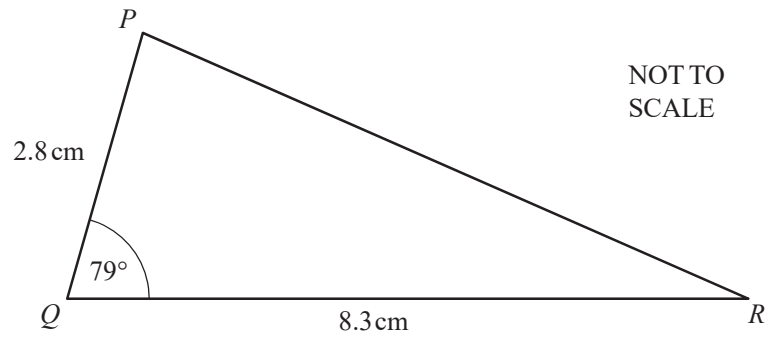
(b) the area of triangle ABC .

[3]

Question 2



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

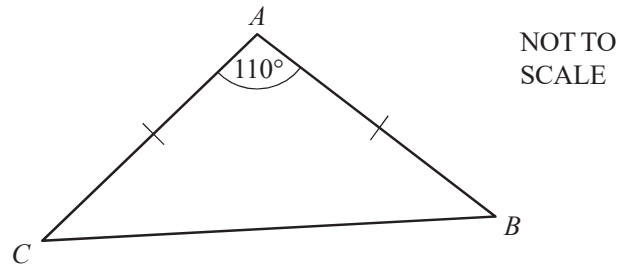
(b) Triangle PQR is enlarged by scale factor 4.5 .

Calculate the area of the enlarged triangle. [2]

Question 3



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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



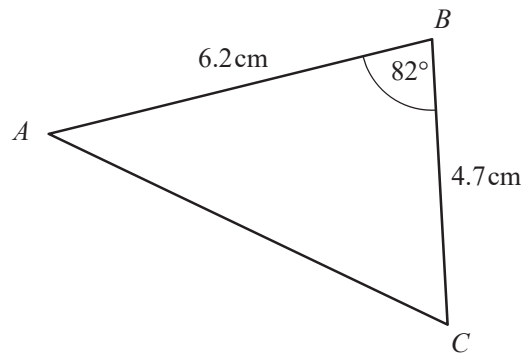
In a triangle PQR , $PQ = 8$ cm and $QR = 7$ cm.
The area of this triangle is 17 cm².

Calculate the two possible values of angle PQR .

[3]

Question 5

(a)

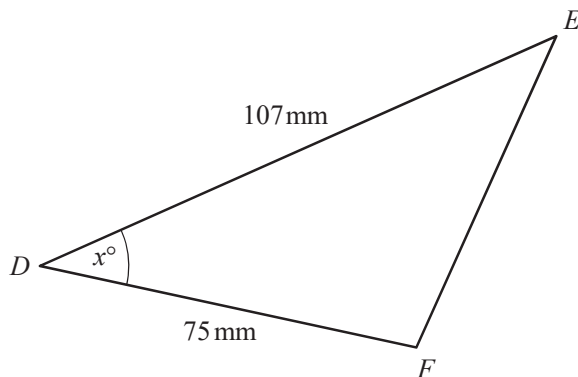


NOT TO
SCALE

Calculate the area of triangle ABC .

[2]

(b)



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SCALE

The area of triangle DEF is 2050 mm^2 .

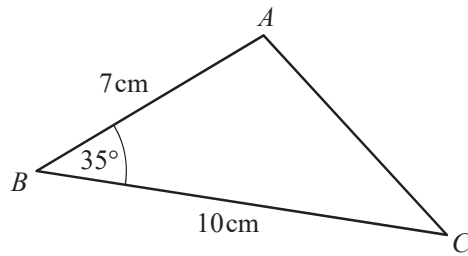
Work out the value of x .

[2]

Question 6



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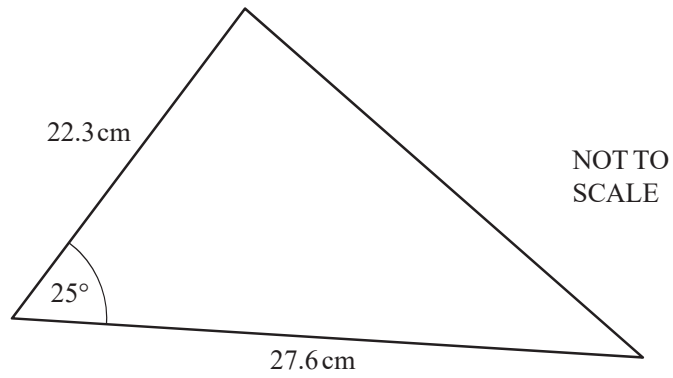
(a) Calculate the area of triangle ABC .

[2]

(b) Calculate the length of AC .

[4]

Question 7



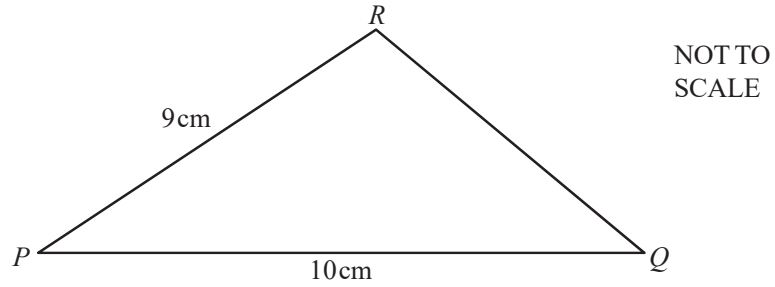
Calculate the area of this triangle.

[2]

Question 8



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The area of triangle PQR is 38.5 cm^2 .

Calculate the length QR .

[6]