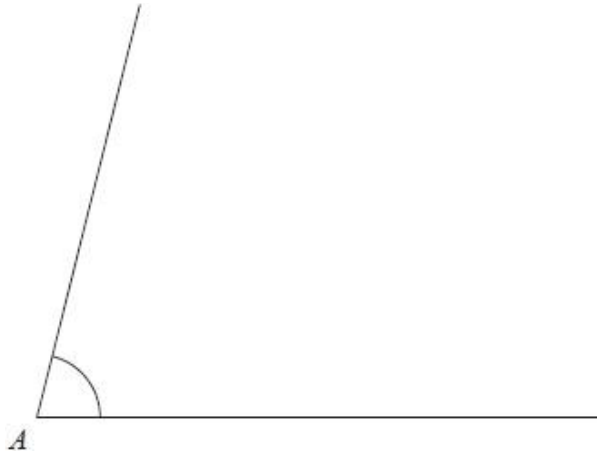


G104 Constructions

Q1.

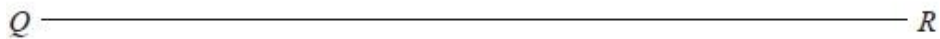
- (a) Use ruler and compasses to bisect the angle at A .
You must show all your construction lines.



(2)

- (b) Use ruler and compasses to construct the perpendicular from the point P to the line QR .
You must show all your construction lines.

P
×



(2)

(Total for question = 4 marks)

Q2.

(a) Draw an angle of 40° at the point P .



(1)

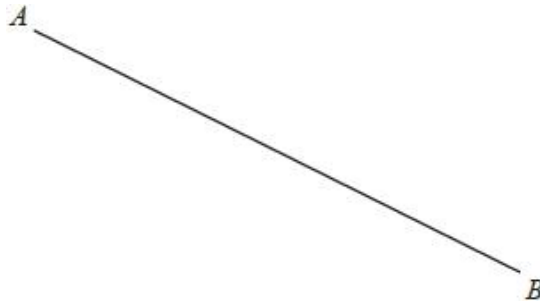
(b) Construct an equilateral triangle with sides of length 6cm.

(2)

(Total for question = 3 marks)

Q3.

In the space below, use ruler and compasses to construct the perpendicular bisector of line AB .



(Total for question = 2 marks)

Q4.

Use a ruler and compasses to construct the line from the point P perpendicular to the line CD . You must show **all** construction lines.

$\times P$



(Total for question = 2 marks)

Q5.

Here is a pyramid with a square base.

The sloping faces are identical isosceles triangles.

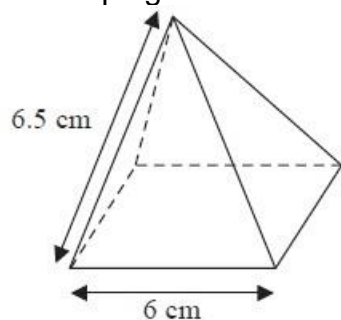


Diagram **NOT**
accurately drawn

(a) Draw a full size accurate plan of the pyramid.

(2)

(b) Using a ruler and compasses, construct an accurate drawing of one of the triangular sloping faces of the pyramid.

(3)

(Total for Question is 5 marks)

Q6.

Here is a sketch of a triangle.

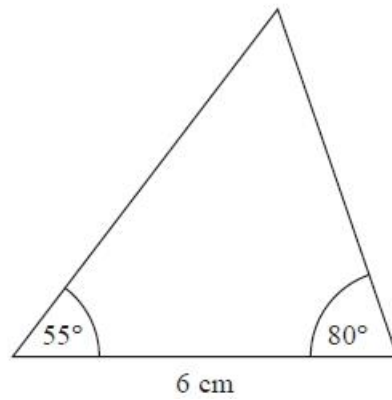


Diagram **NOT**
accurately drawn

In the space below, make an accurate drawing of the triangle.

(Total for question = 3 marks)

Q7.

Here is a triangle.

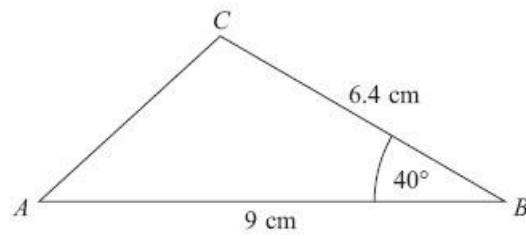


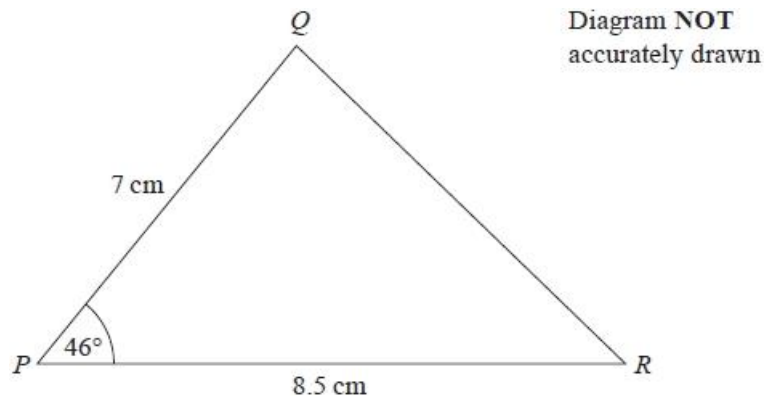
Diagram **NOT**
accurately drawn

Make an accurate drawing of triangle *ABC*.

(Total for Question is 2 marks)

Q8.

Here is a triangle.



Make an accurate drawing of triangle PQR .

(Total for question = 2 marks)