

Questions

Q1.

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



(1)

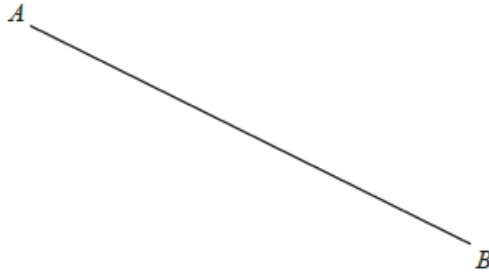
(b) Construct an equilateral triangle with sides of length 6cm.

(2)

(Total for question = 3 marks)

Q2.

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

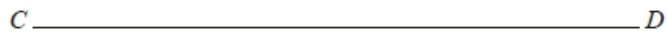


(Total for question = 2 marks)

Q3.

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)

Q4.

Here is a pyramid with a square base.
The sloping faces are identical isosceles triangles.

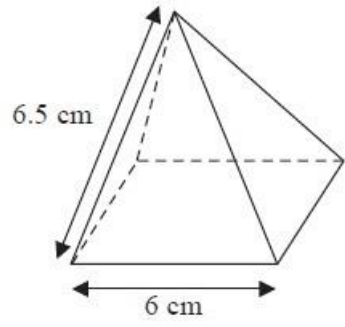
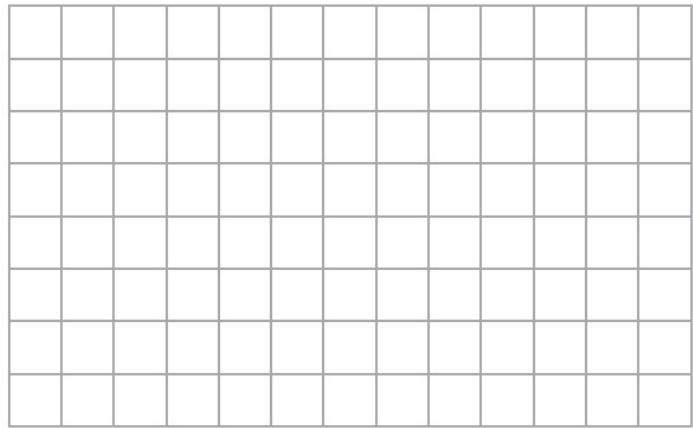


Diagram NOT accurately drawn

(a) Draw a full size accurate plan of the pyramid on the centimetre square grid.



(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)

Q5.

Here is a sketch of a triangle.

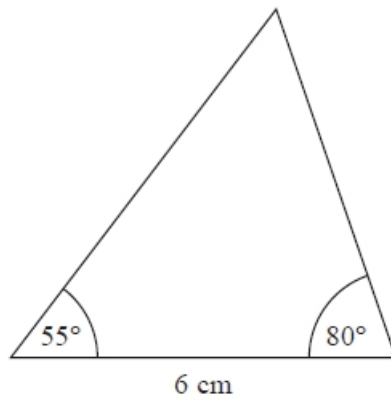


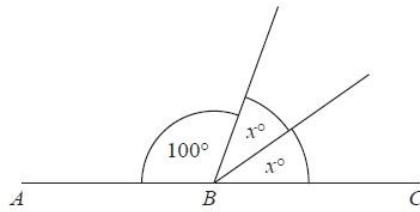
Diagram **NOT**
accurately drawn

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

(Total for question = 3 marks)

Q6.

Diagram **NOT**
accurately drawn



ABC is a straight line.

(a) Work out the value of x .

$x = \dots\dots\dots$

(2)

Here is a sketch of a triangle *PQR*.

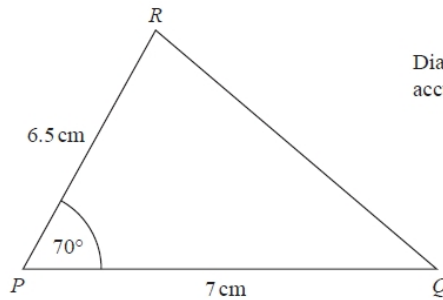


Diagram **NOT**
accurately drawn

(b) What type of angle is the angle *QPR*?

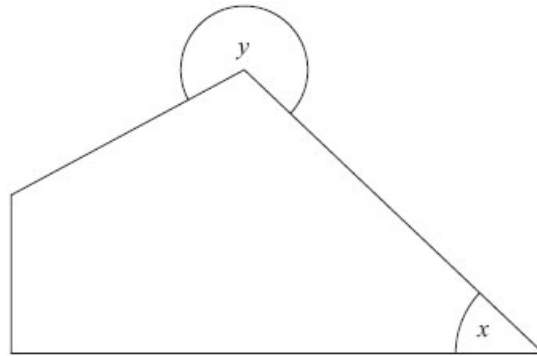
$\dots\dots\dots$

(1)

(c) In the space below, make an accurate drawing of triangle *PQR*.

(2)
(Total for question = 5 marks)

Q7.



(a)(i) On this diagram mark, with a letter R, a right angle.

(ii) What type of angle is angle x ?

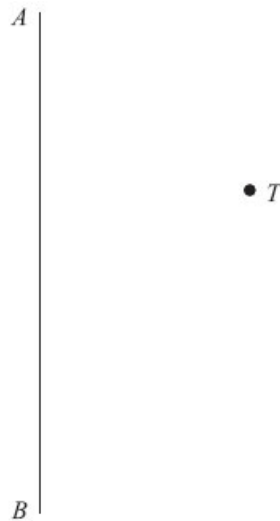
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(iii) What type of angle is angle y ?

.....

(3)

(b) AB is a straight line.



Draw a line from the point T perpendicular to the line AB .

(1)

(Total for Question is 4 marks)

Q8.

Here is a triangle.

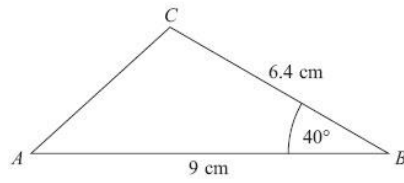


Diagram **NOT**
accurately drawn

Make an accurate drawing of triangle *ABC*.

(Total for Question is 2 marks)

Q9.

Here is a triangle.

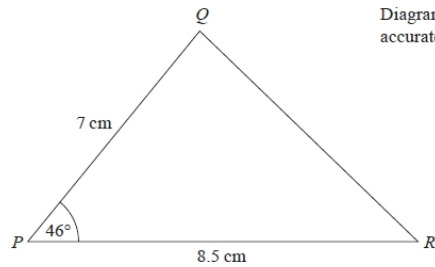


Diagram **NOT**
accurately drawn

Make an accurate drawing of triangle *PQR*.

(Total for question = 2 marks)