



CSEE- Basic Maths

Coordinate Geometry

Questions and Answers

Videos with expert tutorials on each topic

CSEE Basic Maths

Revision Topic: Geometry

Section A

Lesson 6 (Revision Week 2)

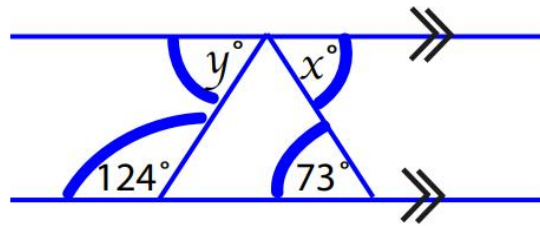
Instructions: Complete this worksheet and watch this revision video simultaneously on

www.mathsmemory.co.uk/International

Pause and Play the video unlimited times to review your work and write the answers in the blank spaces.
Once you have written your answers, check these with the tutorial answers, as explained in the video.

Self Assess yourself (Out of 10) on your **revision planner** after you have completed the revision video .

Work out



a) $x =$ _____

Reason: _____

b) $y =$ _____

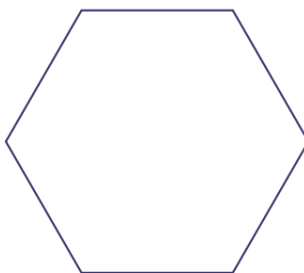
Reason: _____

Bronze



Question 2

a) What is the exterior angle?



b) What is the interior angle?

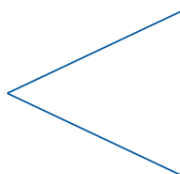
Bronze

Question 3

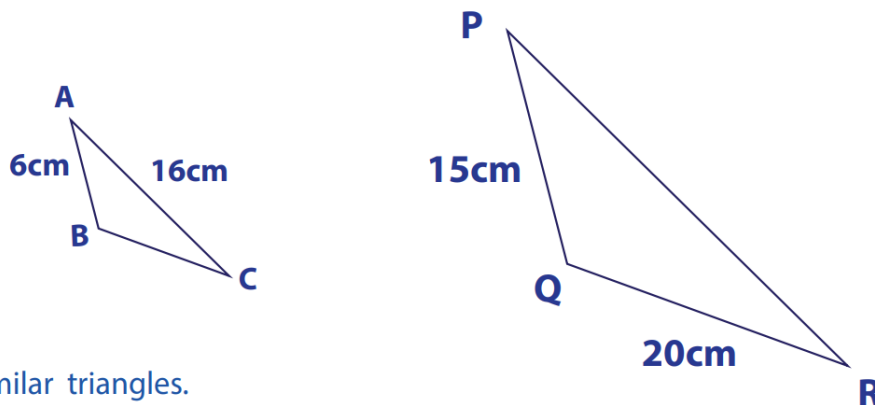
a) Draw the perpendicular bisector between points A and B.



b) Draw the angle bisector.



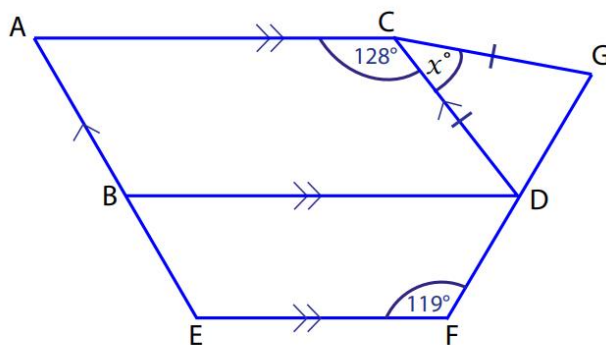
Bronze



ABC and PQR are similar triangles.

a) Work out the length PR .

b) Work out the length BC .



AC, BD and EF are parallel lines.

$ABCD$ is a parallelogram

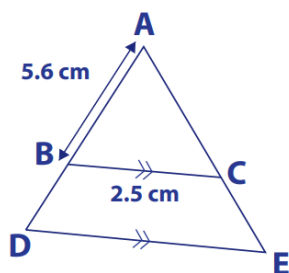
Angle $EFD = 119^\circ$. Angle $ACD = 128^\circ$

Work out the size of angle x .

Show all working.



Question 6



Triangles ABC and ADE are similar triangles. BC and DE are parallel lines.

$AD = 8.4$, $AB = 5.6$ cm, $BC = 2.5$ cm.

a) Work out the length DE.

b) $AE = 9$ cm. Work out length CE.



Question 7



These two triangular prisms are mathematically similar.
The surface area of A is 50 cm^2 .

a) Find the surface area of B.



A regular hexagon is inscribed in a circle. If the perimeter of the hexagon is 30 cm, find:

- a) The radius of the circle.
- b) The area of the circle.
- c) The area of the regular hexagon.

Gold


Question 10

Solid A and Solid B are mathematically similar.

The ratio of the surface area of solid A to the surface area to solid B is 4:25.

The length of B is 25cm.

Show that the length of A is 2.5cm.

Platinum
