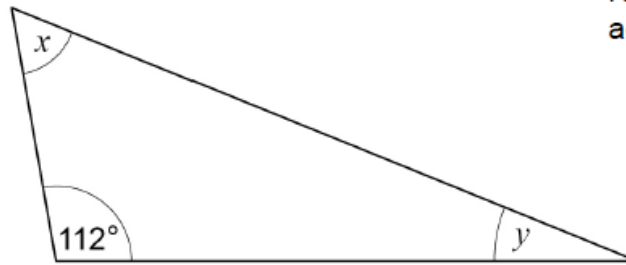


Geometry and measures – GCSE Mathematics Paper 1

1. No.(10(b))

(b) Here is a different triangle.

Not drawn
accurately

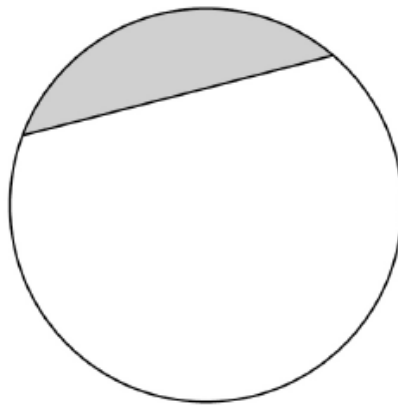
$$x = 3y$$

Work out the size of angle y .**[3 marks]**

$$y = \underline{\hspace{2cm}}^\circ$$

2. No.17

Part of this circle is shaded.



Circle the name of the shaded part.

[1 mark]

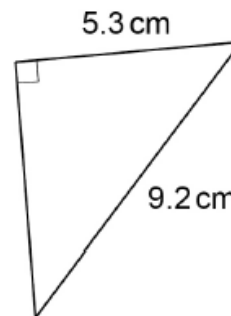
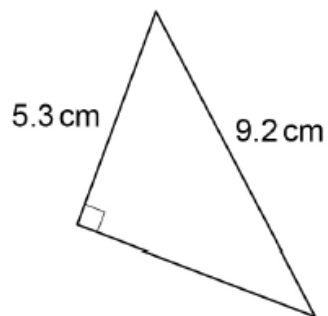
arc

sector

chord

segment

3. No.4



Not drawn
accurately

Circle the reason why the triangles are congruent.

[1 mark]

ASA

RHS

SAS

SSS

4. No.4

Which shape can have sides with lengths that are all different?

Circle your answer.

[1 mark]

trapezium

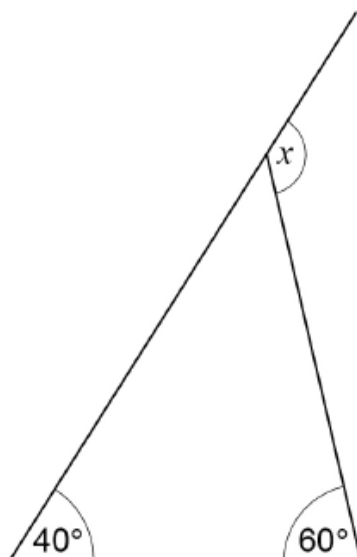
kite

parallelogram

rhombus

5. No.9

One side of a triangle is extended.



Not drawn
accurately

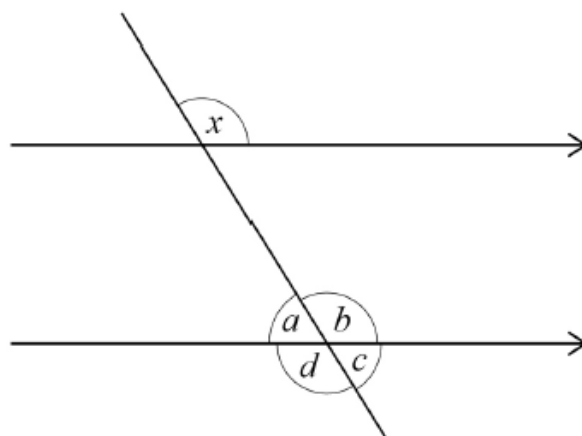
Circle the size of angle x .

[1 mark]

 100° 80° 60° 40°

6. No.21

A straight line passes through two parallel lines.

Not drawn
accuratelyCircle the angle that is corresponding to angle x .

[1 mark]

 a b c d

7. No.3

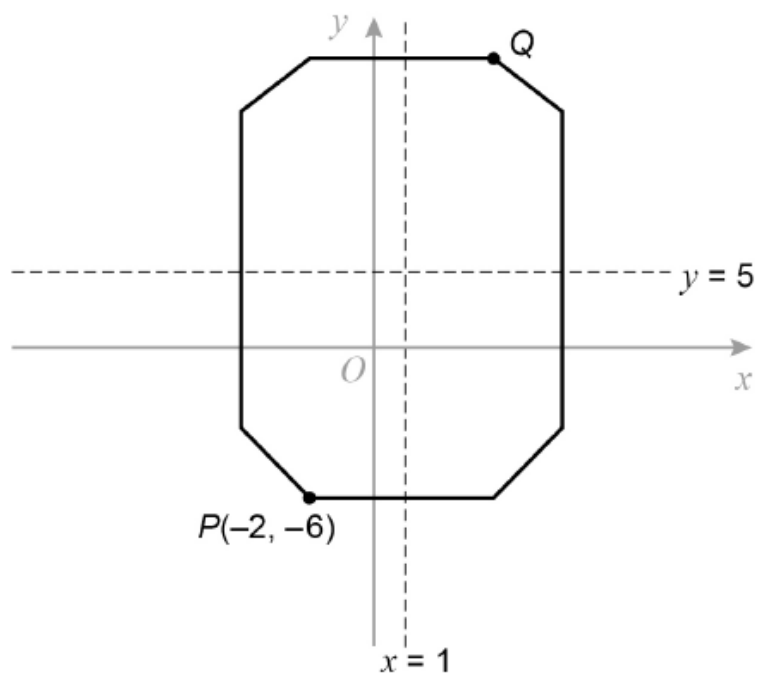
Circle the solid that has 7 vertices.

[1 mark]

hexagonal
prismhexagon-based
pyramidpentagonal
prismpentagon-based
pyramid

8. No.9

The diagram shows an octagon.



Not drawn
accurately

$x = 1$ and $y = 5$ are lines of symmetry.

Work out the coordinates of point Q.

[2 marks]

Answer (_____ , _____)