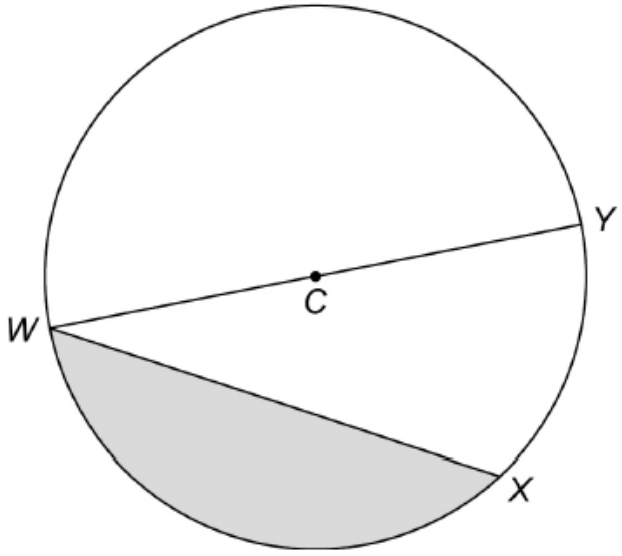
AQA - Measure and accuracy – GCSE Mathematics Paper-2

1. May/2020/Paper_2F/No.14

This circle has centre *C*.

W, *X* and *Y* are points on the circle.

WY is a straight line.



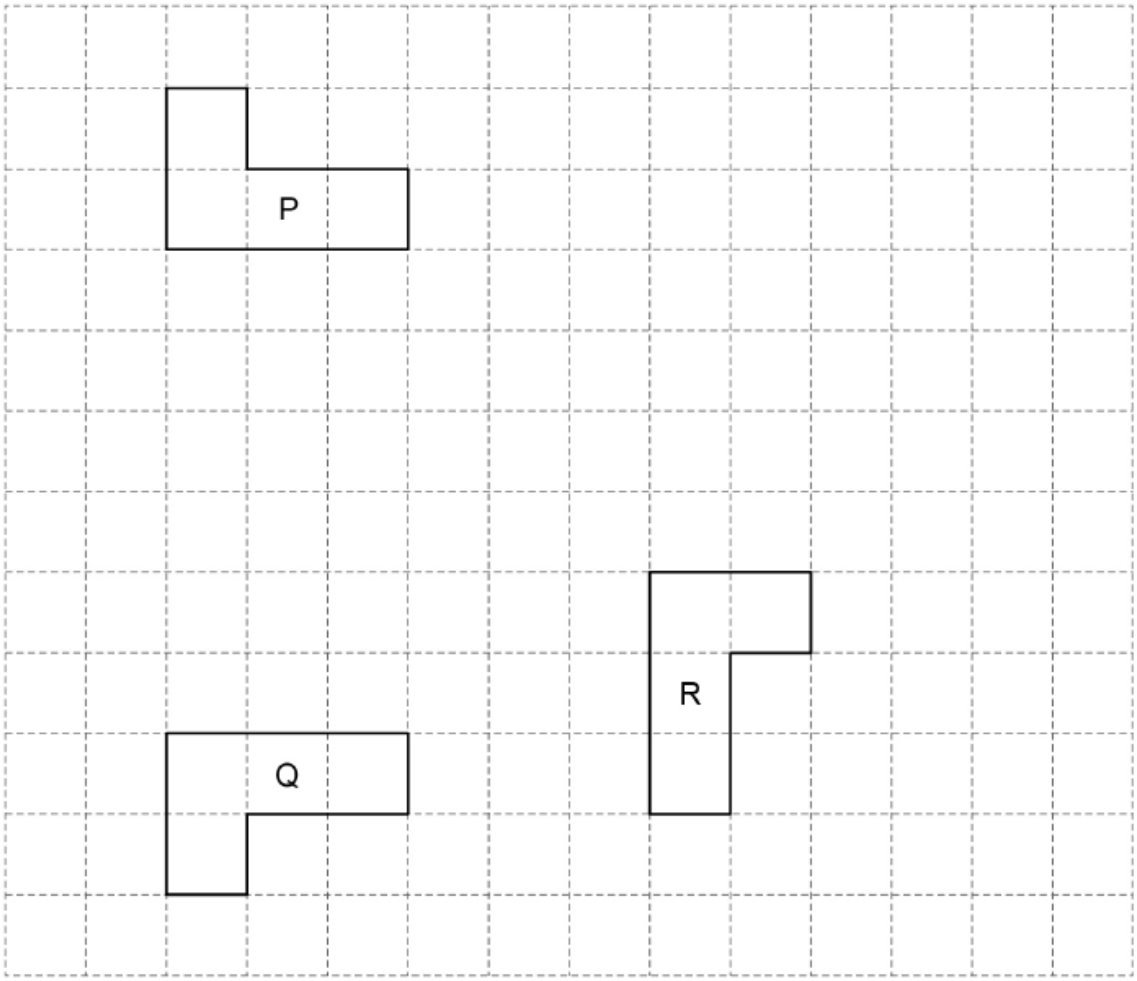
Tick **one** box for each statement.

[3 marks]

	True	False
WY is a diameter.	☐	☐
WX is a radius.	☐	☐
The shaded section is a sector.	☐	☐
Arc *XY* is part of the circumference.	☐	☐

2. May/2020/Paper_2F/No.17

Here are shapes P, Q and R.



(a) P is mapped to Q by a single transformation.

Circle the type of transformation.

[1 mark]

rotation reflection translation enlargement

(b) P is mapped to R by a single transformation.

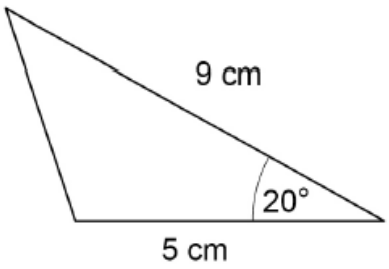
Circle the type of transformation.

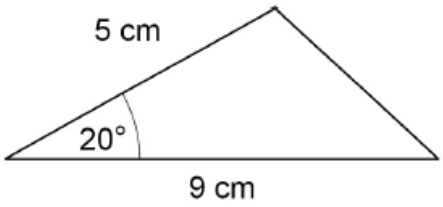
[1 mark]

rotation reflection translation enlargement

3. May/2020/Paper_2H/No.2

Not drawn accurately





Circle the reason why these triangles are congruent.

[1 mark]

RHS ASA SSS SAS

4. June/2019/Paper_2H/No.17

$$m = \frac{p - 2b}{2}$$

$p = 68.3$ correct to 1 decimal place.

$b = 8.7$ correct to 1 decimal place.

Work out the lower bound for m.

[3 marks]

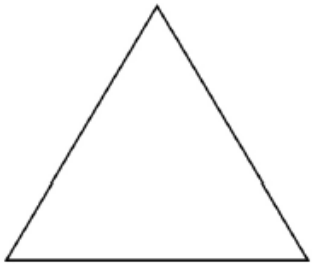
Answer _____

5. Nov/2019/Paper_2F/No.4

Circle the letter of the shape that has rotational symmetry of order 2

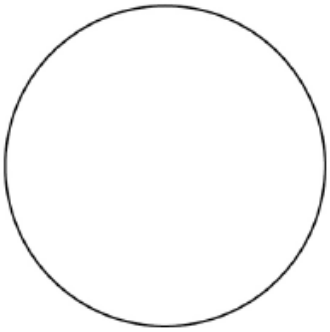
[1 mark]

P

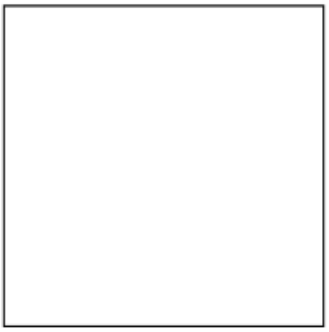


Q

R



S



6. Nov/2019/Paper_2F/No.13

A quadrilateral $PQRS$ has

$PQ = 5$ cm

QR perpendicular to PQ

$QR = 7$ cm

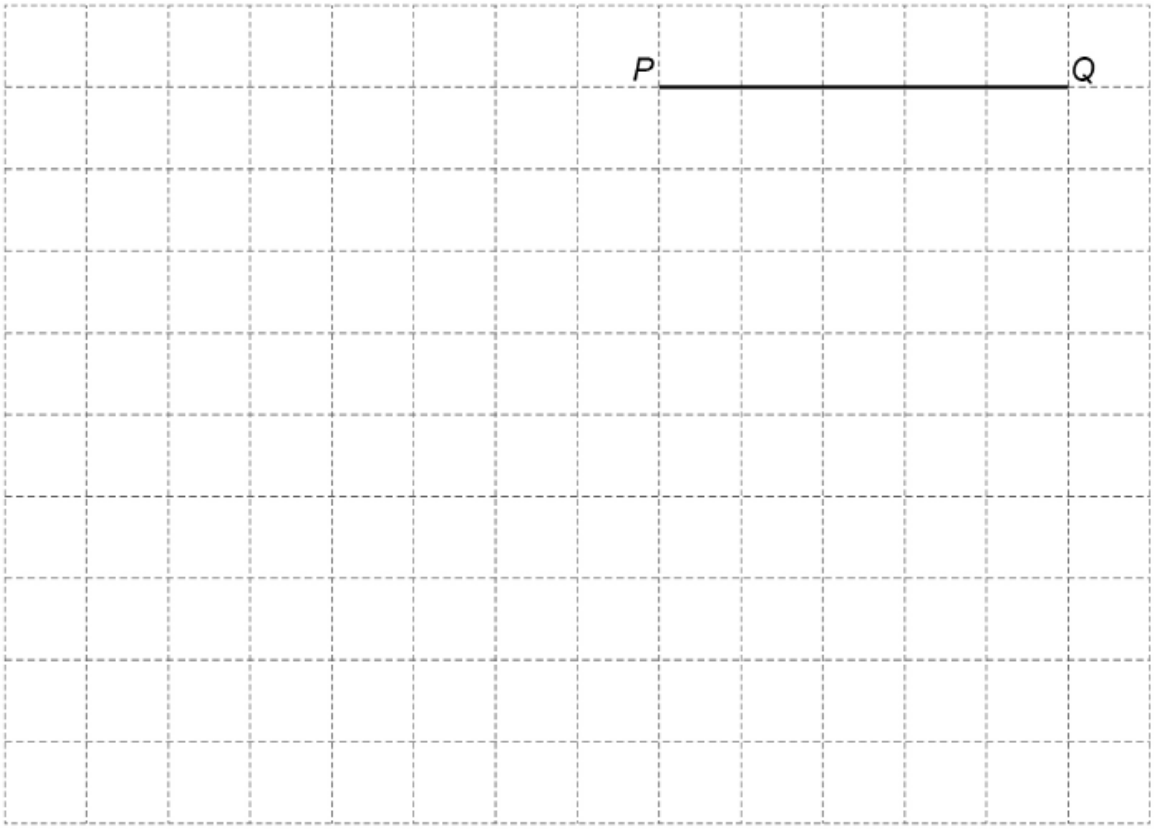
angle $QPS = 135°$

$PS = 8.5$ cm

On the grid, draw the quadrilateral $PQRS$.

PQ has been drawn for you.

[4 marks]



7. Nov/2019/Paper_2F/No.14

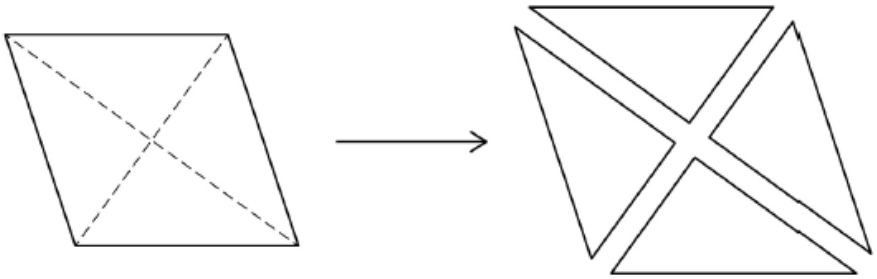
Circle the solid that has six vertices.

[1 mark]

cone | cuboid | triangular prism | square-based pyramid

8. Nov/2019/Paper_2F/No.19

A rhombus is cut along the diagonals to make four triangles.



Not drawn accurately

Which **three** statements are correct for any rhombus?

Tick **three** boxes.

[2 marks]

- ☐ All four triangles are right-angled
- ☐ All four triangles are isosceles
- ☐ All four triangles are congruent
- ☐ Area of rhombus = 4 × area of one triangle
- ☐ Perimeter of rhombus = 4 × perimeter of one triangle

9. Nov/2019/Paper_2H/No.2

How many millimetres are there in a kilometre?

Circle your answer.

[1 mark]

10^3 10^5 10^6 10^9