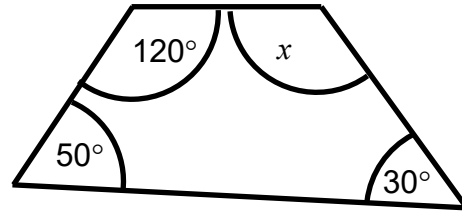


Properties of Polygons 10 minute test 1

1 (a) Work out the value of x .

[2 marks]



Not drawn accurately

Answer _____ degrees

1 (b) Give a reason for your answer.

[1 mark]

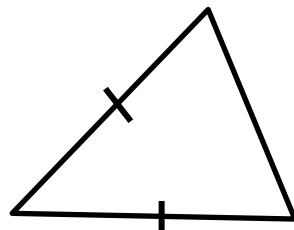
2 Tick the correct statements.

[2 marks]

- 2 (a) A rhombus has equal sides and equal angles.
- 2 (b) A rectangle is a type of parallelogram.
- 2 (c) A parallelogram is a type of rectangle.
- 2 (d) Opposite angles in a parallelogram add up to 180 degrees.

3 Give the mathematical name for this type of triangle.

[1 mark]



Answer _____ triangle

4 The formula to find the size of one exterior angle of a regular polygon is

$$\text{exterior angle} = 360 \div n$$

where n is the number of sides of the regular polygon.

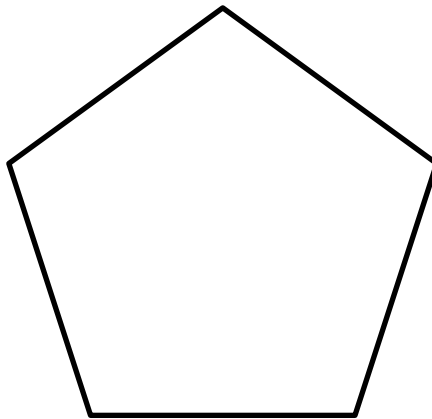
Find the exterior angle of a regular polygon with 20 sides.

[2 marks]

Answer _____ degrees

5 (a) Write down the mathematical name for this shape.

[1 mark]



Answer _____

5 (b) Work out the size of one interior angle of a regular decagon.

[2 marks]

Answer _____ degrees