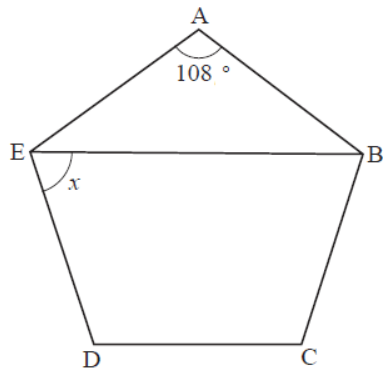


1

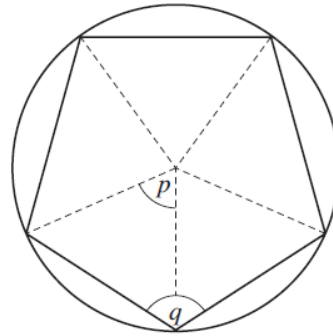
ABCDE is a regular pentagon.



Not drawn accurately

Calculate the size of angle x
Give reasons for your answer.

2



Not to scale

The diagram shows a regular pentagon drawn inside a circle.

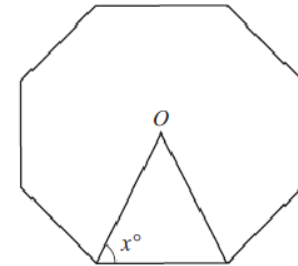
Calculate

- (a) the angle at the centre, p ,
- (b) the interior angle, q .

3

(a) The diagram shows a regular octagon, with centre O .

Diagram NOT
accurately drawn



Work out the value of x .

- (b) A regular polygon has an exterior angle of 30° .
Work out the number of sides of the polygon.

4

The size of each interior angle of a regular polygon is 5 times the size of each exterior angle.

Work out the number of sides the polygon has.