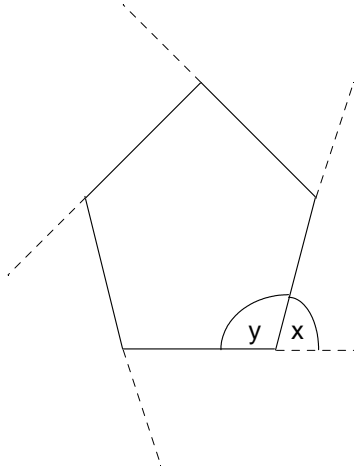


$$\text{Ext Angle Reg Polygon} = \frac{360}{n}$$

$$\text{Interior Angle} = 180^\circ - \text{Ext Angle}$$

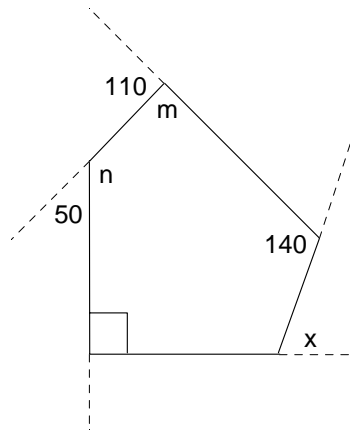
- 1 The diagram below is of a regular pentagon.



- (i) Calculate the size of angle  $x$ .
- (ii) Calculate the size of angle  $y$ .
- (iii) What is the sum of the interior angles of a pentagon?

- 2
- (i) Calculate the exterior angle of a regular hexagon.
  - (ii) What is the sum of the interior angles of a regular hexagon.

- 3 Find the size of the angles marked by the letters below.



- 4 What is the sum of the interior angles of a nonagon (9 sided shape).