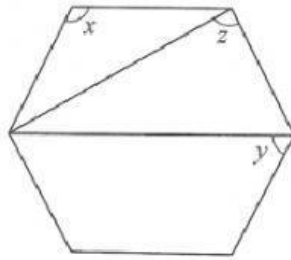


Exercise

Name:- _____

Use the formulas in the box below to find the unknown angles.

The polygon below is a regular pentagon.



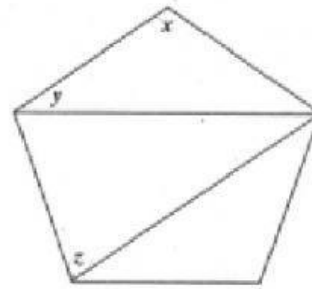
Calculate the size of the angle

(a) x , _____°

(b) y , _____°

(c) z , _____°

(d) Find the exterior angle _____°



Calculate the size of the angle

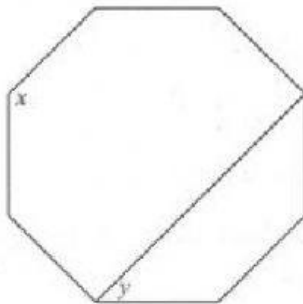
(a) x , _____°

(b) y , _____°

(c) z , _____°

(d) Find the exterior angle _____°

The polygon below is a regular octagon.

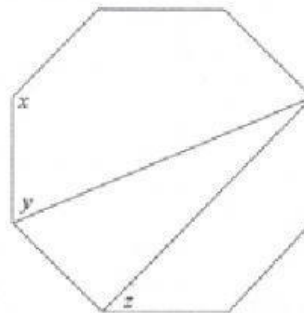


Calculate the size of the angle

(i) x , _____°

(ii) y , _____°

The polygon below represents a regular octagon.



Calculate the following angles.

(a) x , _____°

(b) y , _____°

(c) z , _____°

Use the formulas below to solve find the unknown angles

1) $\text{ext.}\angle = \frac{360^\circ}{n}$

2) $\text{Sum of int.}\angle = 180^\circ (n-2)$

3) $\text{ext.}\angle + \text{int.}\angle = 180^\circ$

4) $\text{int.}\angle = \frac{180^\circ (n-2)}{n}$