

1(iv) In $\triangle ABC$

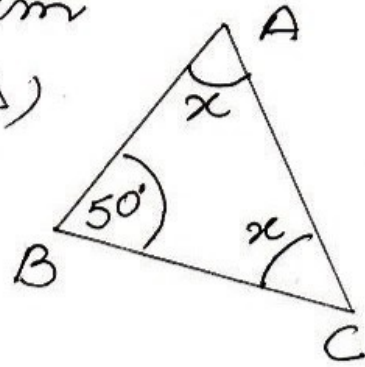
$$\angle A + \angle B + \angle C = 180^\circ \text{ (angle sum prop. of } \triangle)$$

$$x + 50 + x = 180$$

$$\Rightarrow 2x = 180 - 50$$

$$\Rightarrow x = \frac{130}{2} = 65$$

$$= 65^\circ$$



1(v) In $\triangle ABC$

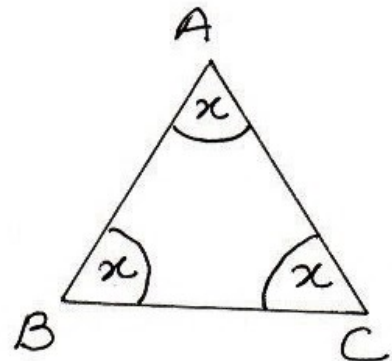
$$\angle A + \angle B + \angle C = 180^\circ \text{ (angle sum prop. of } \triangle)$$

$$x + x + x = 180^\circ$$

$$\Rightarrow 3x = 180^\circ$$

$$\Rightarrow x = \frac{180}{3} = 60$$

$$\Rightarrow x = 60^\circ$$



1(vi) In $\triangle ABC$

$$\angle A + \angle B + \angle C = 180^\circ \text{ (angle sum prop. of } \triangle)$$

$$2x + 90 + x = 180^\circ$$

$$\Rightarrow 3x = 180 - 90$$

$$\Rightarrow x = \frac{90}{3} = 30$$

$$\Rightarrow x = 30^\circ$$

