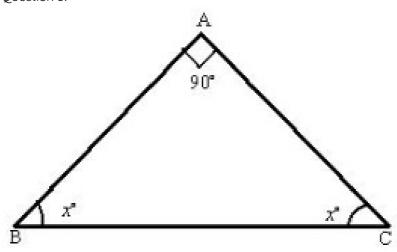


Exercise 5A

Question 5:



In a right angled isosceles triangle, the vertex angle is $\angle A$ = 90° and the other two base angles are equal.

Let x° be the base angle and we have, $\angle B = \angle C = 90^{\circ}$.

By angle sum property of a triangle, we have

$$∠A + ∠B + ∠C = 180^{\circ}$$

⇒ 90° + x° + x° = 180°
⇒ 2x° = 180° - 90°
⇒ 2x° = 90°
⇒ x° = $\frac{90^{\circ}}{2}$
⇒ x° = 45°
Thus, we have, ∠B = ∠C = 45°

Question 6:

Given: ABC is an isosceles triangle in which AB=AC and BC Is produced both ways,

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