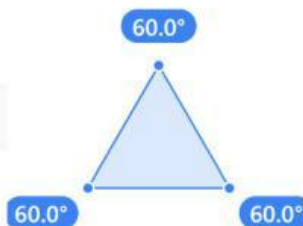


Interior Angles of Triangles Worksheet

Interior Angles of Triangles

Remember:

$$60.0^\circ + 60.0^\circ + 60.0^\circ = 180^\circ$$

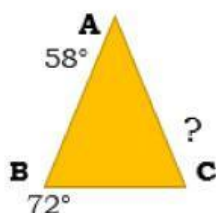


Rule: The three interior angles of every triangle add up to **180°**.

Part A – Find the Missing Angle

Directions: Find the missing angle in each triangle.

1.

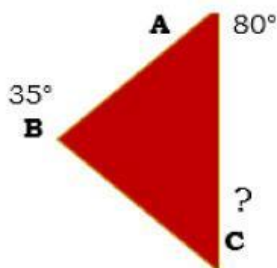


$$\angle A = 58^\circ$$

$$\angle B = 72^\circ$$

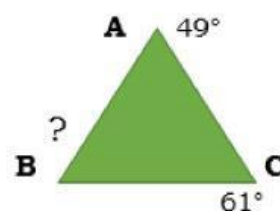
Find $\angle C = \underline{\hspace{2cm}}^\circ$

2.



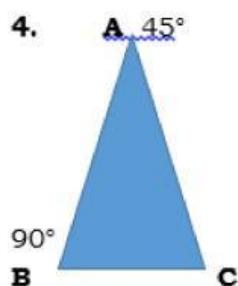
Find the missing angle = $\underline{\hspace{2cm}}^\circ$

3.



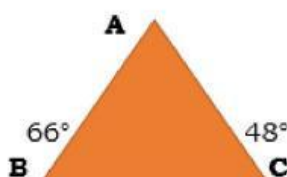
Find the missing angle = $\underline{\hspace{2cm}}^\circ$

4.



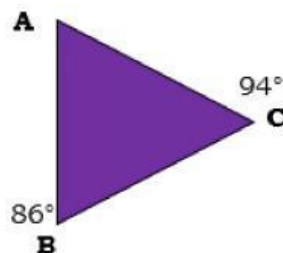
Find the missing angle = $\underline{\hspace{2cm}}^\circ$

5.



Find the missing angle = $\underline{\hspace{2cm}}^\circ$

6.



Find the missing angle = $\underline{\hspace{2cm}}^\circ$

Part B – Solve the Problems - Use the Triangle Angle Sum Theorem to solve each problem.

1. A triangle has angles measuring **48°** and **67°**. What is the third angle?

Answer: $\underline{\hspace{2cm}}^\circ$

2. One angle measures **90°**, and another measures **36°**. What is the third angle?

Answer: $\underline{\hspace{2cm}}^\circ$

3. The angles of a triangle measure **x°**, **70°**, and **55°**. Find **x**.

Answer: $x = \underline{\hspace{2cm}}^\circ$