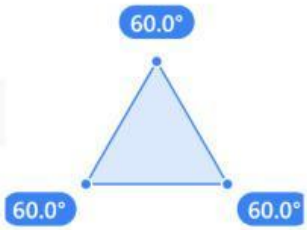
Interior Angles of Triangles Worksheet

Interior Angles of Triangles
Remember:

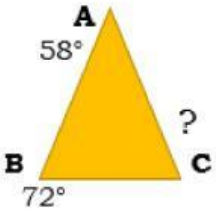
$$60.0° + 60.0° + 60.0° = 180°$$



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

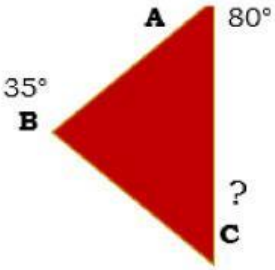
Part A – Find the Missing Angle
Directions: Find the missing angle in each triangle.

1.



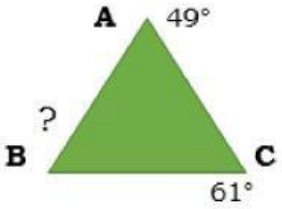
∠A = 58°
∠B = 72°
Find ∠C = _____°

2



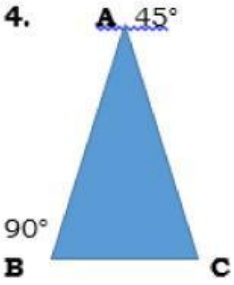
Find the missing angle = _____°

3.



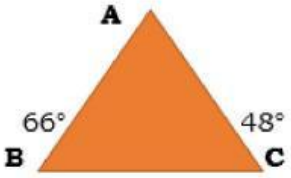
Find the missing angle = _____°

4.



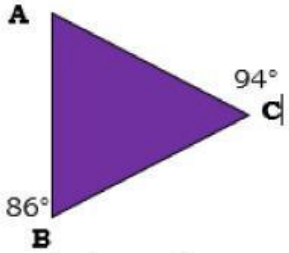
Find the missing angle = _____°

5.



Find the missing angle = _____°

6.



Find the missing angle = _____°

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: _____°

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

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

LIVEWORKSHEETS