

# Triangle Classification Review

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## Understanding Triangle Types and Properties

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Answer the following questions based on what you learned about triangles.

1. What are the three types of triangles classified by angles?

- A. Acute, Right, Obtuse
- B. Scalene, Isosceles, Equilateral
- C. Horizontal, Vertical, Diagonal

2. How do side lengths help us classify triangles? Provide examples.

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3. An isosceles triangle has three equal sides.

- True       False

4. An acute triangle has all angles less than \_\_\_ degrees.

5. What type of triangle has one angle greater than 90 degrees?

- A. Acute
- B. Right
- C. Obtuse

6. How might triangles reflect God's design in nature? Provide an example.

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7. An equilateral triangle has two sides that are equal in length.

- True       False

8. The triangle type with one right angle is called a \_\_\_ triangle.

9. Which of the following is a characteristic of a scalene triangle?

- A. All sides are equal
- B. Two sides are equal
- C. All sides are different

10. Why is mathematical precision important in geometry and how does it relate to God's creation?

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Answer Key

1. Acute, Right, Obtuse 2. Side lengths help us classify triangles by determining if they are scalene, isosceles, or equilateral. 3. False 4. 90 5. Obtuse 6. Triangles reflect God's design through their strength and stability, such as in bridges or pyramids. 7. False 8. right 9. All sides are different 10. Mathematical precision is important because it helps us accurately describe shapes and their properties. This relates to God's creation as it shows the order and design He used when creating the world.