

# Triangle Classification by Angles

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## Understanding Triangle Types

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

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

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

1. What makes a triangle acute?

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2. What type of triangle has one angle that is exactly 90 degrees?

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

3. An obtuse triangle has all angles less than 90 degrees.

True  False

4. A triangle with one angle greater than 90 degrees is called an \_\_\_\_.

5. How is a right triangle different from other triangles?

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6. Which triangle type has all angles less than 90 degrees?

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

7. All triangles can be classified by their angle measurements.

True  False

8. Triangles remind us of God's precision in \_\_\_\_.

9. What shapes do you see in nature that look like triangles?

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10. What scripture reminds us to acknowledge God for guidance?

- A. Proverbs 3:6
- B. Psalm 23:1
- C. Matthew 5:16

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### Answer Key

1. A triangle is acute if all of its angles are less than 90 degrees. 2. Right triangle 3. False 4. obtuse triangle 5. A right triangle has one angle that measures exactly 90 degrees, which is different from acute and obtuse triangles. 6. Acute triangle 7. True 8. mathematical design 9. I see mountains, roofs of houses, and some trees that form triangular shapes. 10. Proverbs 3:6