

# Geometry Review: Points, Lines, and Rays

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## Understanding the Basics of Geometry

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

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

Answer the following questions based on the lesson about points, lines, line segments, and rays.

1. What is a point?

- A. A line that extends infinitely
- B. A precise location with no size
- C. A shape with four sides

2. A line segment has two defined endpoints.

True       False

3. What is the main difference between a line and a line segment?

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4. A ray starts at a point and extends \_\_\_\_ in one direction.

5. Which geometric element has no size?

- A. Point
- B. Ray
- C. Line segment

6. Lines and rays can be found in nature and everyday life.

True       False

7. How might the concepts of geometry reflect God's orderly creation?

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8. God's design includes order and \_\_\_\_, which can be seen in geometry.

9. What does a line do?

- A. Has two endpoints
- B. Extends infinitely in both directions
- C. Starts at a point

10. Where do you see lines and rays in the world around you? Provide one example.

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### Answer Key

1. A precise location with no size    2. True    3. A line extends infinitely in both directions, while a line segment has two endpoints.    4. infinitely    5. Point    6. True    7. Geometry shows the order and design in creation, reflecting God's wisdom and intention.    8. structure    9. Extends infinitely in both directions    10. I see lines in the edges of roads and rays in sunlight coming from the sun.