

Name _____

Exploring Geometry: The ABCs of Points, Lines, and Angles

Short Answer Key

1. A line segment is a part of a line with two endpoints.
2. A line extends infinitely in both directions, while a ray has only one endpoint and extends infinitely in one direction.
3. Angles are formed when two rays share a common endpoint, called the vertex.
4. Example: The tip of a pencil.
5. Points, lines, line segments, rays, and angles are important in geometry because they are the basic elements that help us understand and describe shapes, patterns, and spatial relationships.

