

Name \_\_\_\_\_

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

### Open-Ended Response Answer Key

1. Answers may vary but could include: Understanding angles would be useful in sports like billiards or golf to calculate the trajectory of a ball.
2. Knowing about points and lines could help with navigating directions on a map by understanding how lines represent roads and how points mark specific locations like landmarks.
3. Understanding the differences between line segments, lines, and rays is important in geometry because each has unique properties and characteristics that are used to describe and analyze shapes and spatial relationships.
4. Points mark specific locations, lines connect points, and angles are formed where lines intersect, creating the framework for understanding the geometry of shapes and space.

