

Name _____

Triumphant Trigonometric Toolbox: Unveiling the Six Functions

Open-Ended Response Answer Key

1. An example of using the tangent function in a real-world scenario could be calculating the angle of elevation when setting up a ladder against a wall.
2. Understanding trigonometric functions like sine and cosine could help in navigating directions using maps by calculating distances and angles between locations.
3. It's important to understand the definitions and properties of trigonometric functions because they provide fundamental tools for solving problems involving angles, distances, and shapes.
4. The cotangent function might be applied in solving problems involving right triangles by calculating the ratio of the adjacent side to the side opposite an acute angle.

