Name _____

Triumphant Triangulation: Navigating Oblique Triangles with Trigonometry

Multiple Choice Questions

1. What type of triangles are oblique triangles?

a) Triangles with equal sides

b) Triangles with one right angle

c) Triangles with acute and obtuse angles

d) Triangles with no angles

2. Which trigonometric functions are used to solve oblique triangles?

a) Sine, cosine, and tangent

b) Addition, subtraction, and multiplication

c) Shapes, sizes, and colors

d) Words, phrases, and sentences

3. What is the law of sines used for in trigonometry?

a) Relating the lengths of sides to the cosine of one of the angles

b) Relating the lengths of sides to the sine of one of the angles

c) Relating the lengths of sides to the tangent of one of the angles

d) Relating the lengths of sides to the arcsine of one of the angles

4. How can you use the law of cosines to find the lengths of the sides of an oblique triangle?

a) By using the ratio of the length of a side to the sine of its opposite angle

b) By using the ratio of the length of a side to the arc cosine of its opposite angle

c) By using the ratio of the length of a side to the tangent of its opposite angle

d) By using the ratio of the length of a side to the cosine of its opposite angle

5. What can you find once you have the lengths of all three sides of an oblique triangle?

a) The measures of all three angles

b) The measures of two angles

c) The measures of one angle

d) The measure of the hypotenuse

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