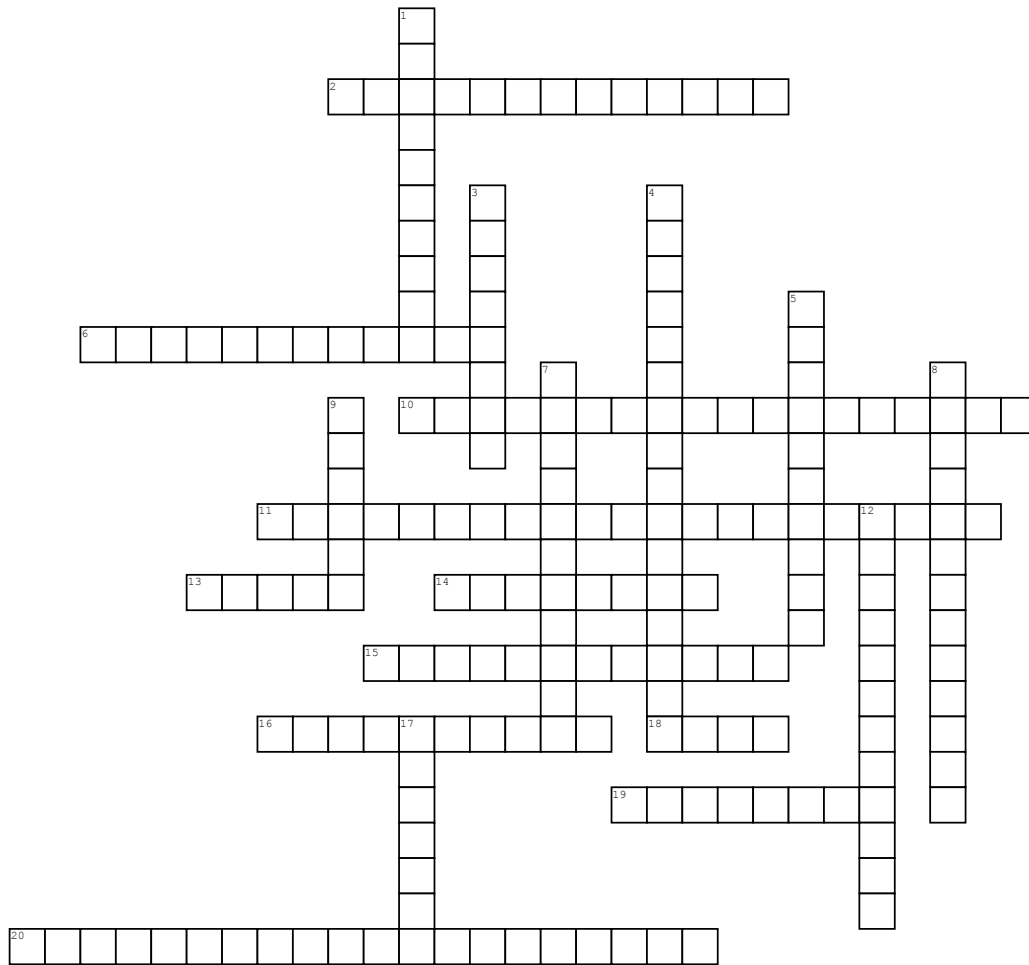


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Trigonometry Vocab



## Across

2. A triangle with a right angle  
 6. Two angles that have a common vertex and a common side  
 10. A theorem in geometry: the square of the length of the hypotenuse of a right triangle equals the sum of the squares of the lengths of the other 2 sides  
 11. Functions of an angle expressed as a ratio of the length of the sides of a right-angled triangle containing the angle  
 13. The space between two lines or planes that intersect  
 14. Having a common boundary or edge

15. In a right triangle, one angle is 90 degrees and the side across from this angle is called the hypotenuse. The two legs that form the 90 degree angle are called legs of the right triangle. The legs are defined as either "opposite" or "adjacent" to angle A.  
 16. The longest side of a right triangle  
 18. The trigonometric function that is equal to the ratio of the side opposite of a given angle to the hypotenuse  
 19. A geometric shape with 3 sides  
 20. A right triangle with some regular features that make calculations on the triangle easier

## Down

1. An angle of 90 degrees.  
 3. Having a position on the other or further side of something

4. Triangles with corresponding angles and proportionate sides  
 5. An angle that measures less than 90 degrees  
 7. The abstract science of number, quality, and space  
 8. Of or relating to or according to the principles of trigonometry  
 9. The trigonometric function that is equal to the ratio of the side adjacent to an acute angle to the hypotenuse  
 12. The branch of mathematics dealing with the relations of sides and angles of triangles and with the relevant functions of any angles  
 17. A trigonometric function that is equal to the ratio of the side opposite a given angle to the side adjacent to the same given angle

## Word Bank

right triangle	Special right triangle	Tangent	Similar Triangles
Pythagorean Theorem	Trigonometric Function	Trigonometric	Sine
Adjacent Legs	Trigonometry	Hypotenuse	Triangle
Mathematics	Acute Angle	Opposite	Opposite legs
Angle	Right Angle	Adjacent	Cosine