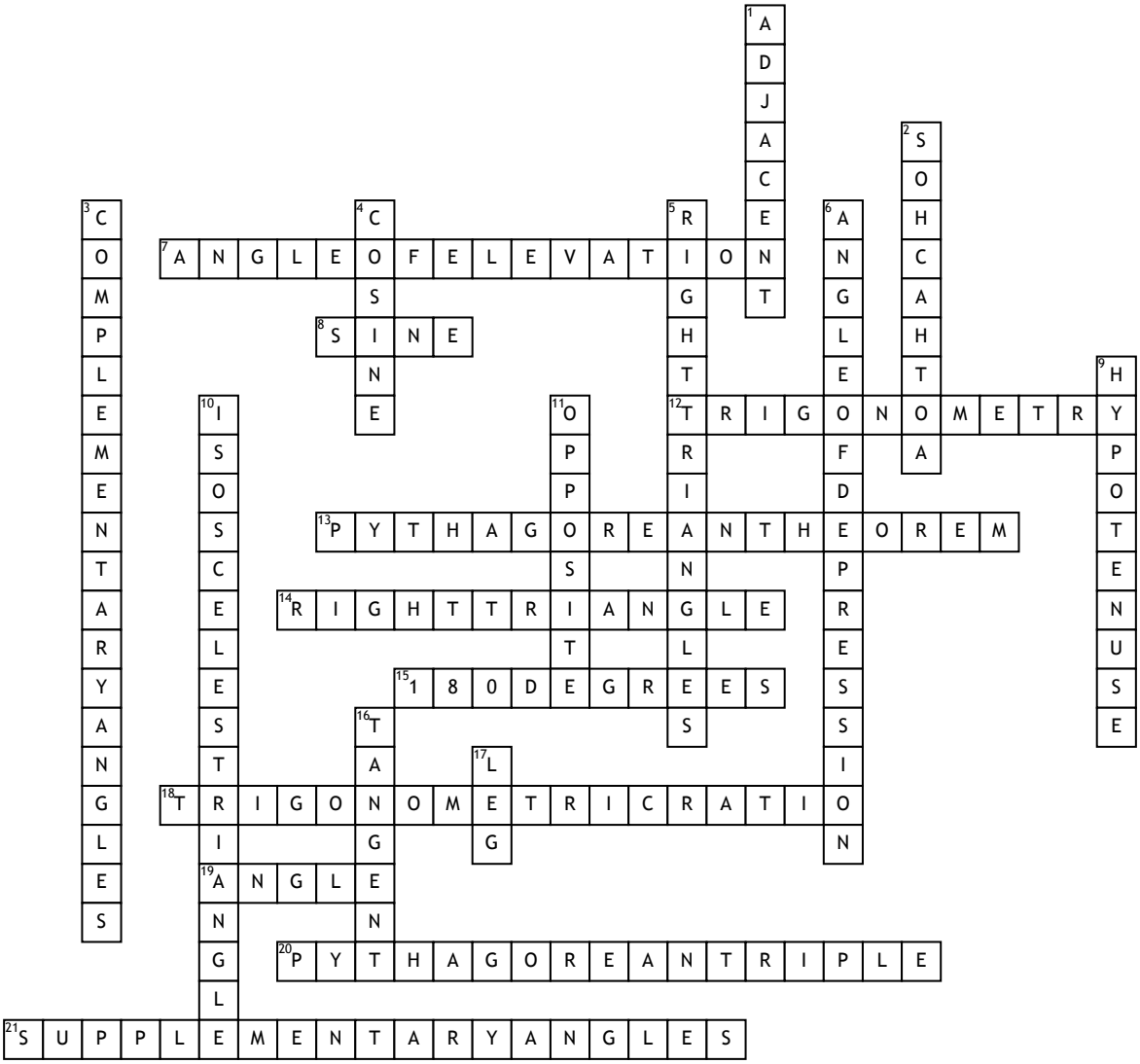
Trigonometry Vocabulary



Across

7. The angle formed by the horizontal and the object above it

8. The ratio of the side opposite of a right triangle divided by the hypotenuse for a right triangle

12. The branch of mathematics dealing with the relations of the sides and angles of triangles

13. In a right triangle the square of the length of the hypotenuse is equal to the sum of the squares of the lengths of the legs (a^2+ b^2 = c^2)

14. A triangle that has a 90 degree angle

15. The sum of angles in a triangle

18. A ratio of the lengths of two sides in a right triangle.

19. The area between two interior sides of a triangle

20. 3-4-5, 5-12-13, 8-15-17

21. Two angles whose sum is 180 degrees

Down

1. The side that is next to the needed angle

2. A mnemonic device that is used to remember the 3 basic trigonometric ratios

3. Two angles whose sum is 90 degrees

4. The ratio of the adjacent side of a right triangle divided by the hypotenuse

5. 45-45-90 triangles and 30-60-90 triangles are both _____

6. The angle formed by the horizontal and the object below it

9. The side opposite the right angle in a right triangle

10. Two sides and base angles of this triangle are congruent

11. The side that does not touch the needed angle

16. The ratio of the side opposite of a right triangle divided by the adjacent side for a right triangle

17. Side of a triangle