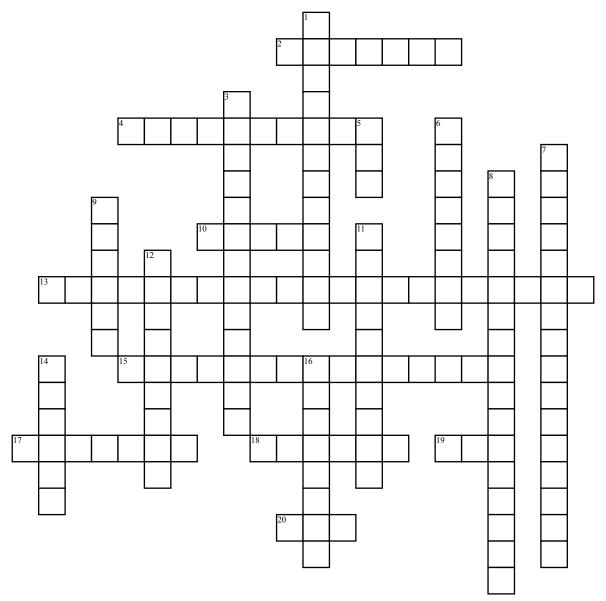# SOHCAHTOA

Across

2. the inverse function of the sine
4. the inverse of squaring a number
10. the space between two lines or planes that intersect
13. function of an angle expressed as a ratio of the length of the sides of right-angled triangle containing the angle
15. a function obtained by expressing the dependent variable of one function as the independent variable of another; f and g are inverse functions if f(x)=y and g(y)=x
17. a line that touches a curve but does not intersect it

18. a straight line that intersects a curve at two or more points
19. opposite and Hypotenuse
20. Adjacent an Hypotenuse

Down

1. triangle measure
3. of or relating to or according to the principles of trigonometry
5. opposite and adjacent
6. having a common boundary or edge
7. of an object as seen by an observer is the angle between the horizontal and the line from the object to the observer's eye (the line of sight)

8. had decimal form that neither terminates nor repeats
9. the unit of plane angle adopted under the Systeme International d'Unites; equal to the angle at the center of a circle subtended by an arc equal in length to the radius
11. the inverse function of the tangent
12. ratio of the adjacent to the opposite side of a right-angled triangle
14. a straight line that intersects a curve at two or more points
16. what something is used for