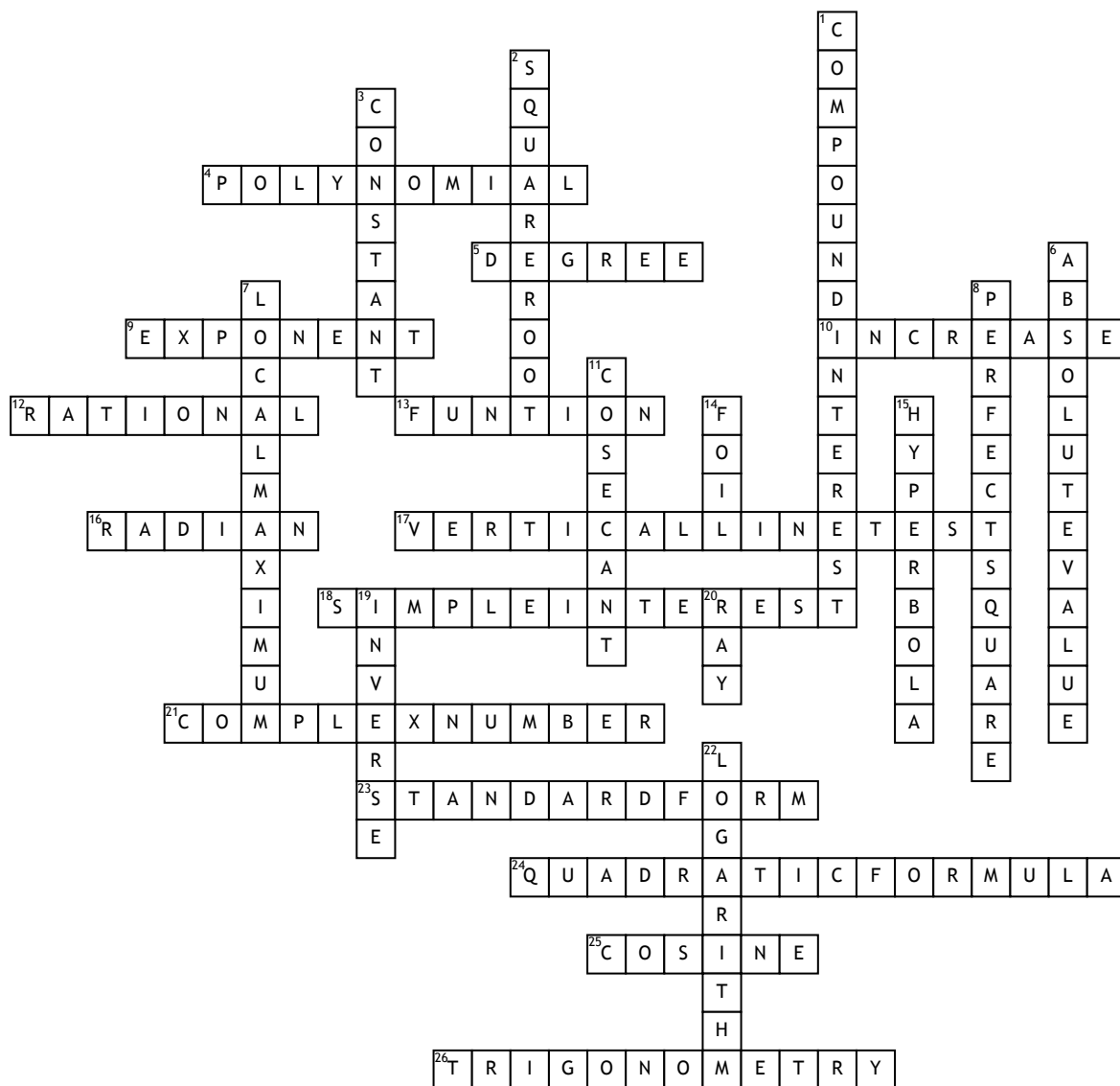


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Precalculus Criss-Cross Puzzle



## Across

4. An expression that can have constants, variables and exponents, that can be combined using addition, subtraction, multiplication and division
5. a unit of angular measure equal to  $1/180$ th of a straight angle
9. a quantity representing the power to which a given number or expression is to be raised
10. a positive change between size or quantity
12. when a real number that can be written as a simple fraction
13. a relation that associates each value in the domain with exactly one value in the range
16. a central angle that intercepts an arc  $s$  equal in length to the radius  $r$  of the circle.

17. in the  $xy$ - plane defines  $y$  as a function of  $x$  if and only if no vertical line intersects the graph in more than one point
18. Interest calculated as a percent of the original loan
21. any number that can be written in the form of  $a+bi$
23. A general term meaning "written down in the way most commonly accepted"
24.  $ax^2 + bx + c = 0$
25. adjacent/hypotenuse
26. the Greek word for "measurement of triangles."

## Down

1. Where interest is calculated on both the amount borrowed and any previous interest.
2. a value that, when multiplied by itself, produces a specified quantity

3. for any two points in the interval a positive change in  $x$  results in a zero change in  $f(x)$
6. How far a number is from zero
7. a value  $f(c)$  that is greater than or equal to all range values of  $f$  on some open interval containing  $c$
8. A number made by squaring a whole number.
11. hypotenuse/opposite
14. first, outside, inner, last
15. this is formed by the intersection of a plane with two equal cones on opposites of the same vertex.
19. Opposite in effect
20. A line with a start point but no end point (it goes to infinity)
22. a quantity representing the power to which a fixed number (the base) must be raised to produce a given number.