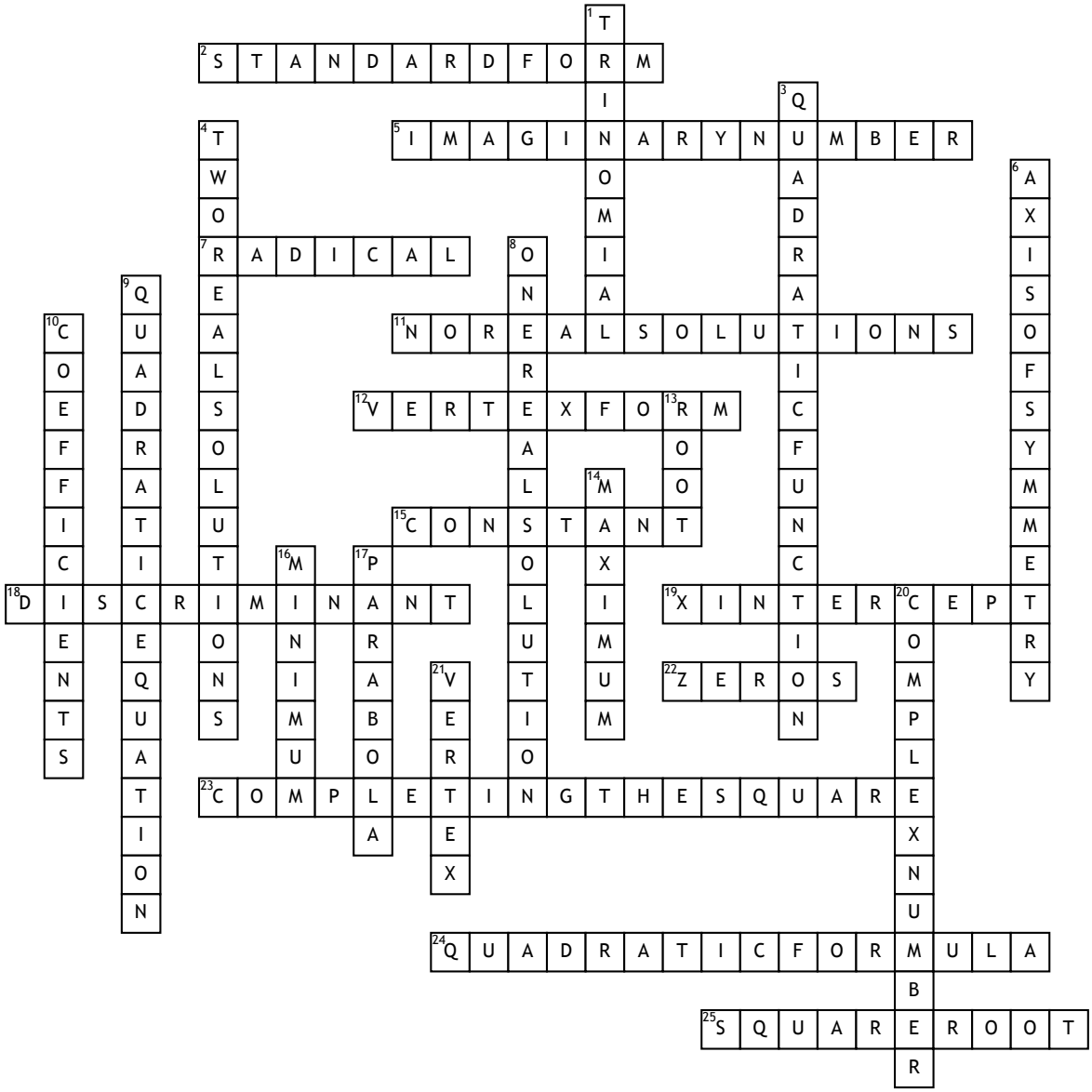
Name: _____ Date: _____

Quadratics Crossword Puzzle



Across

2. y= ax^2 + bx + c
5. any number in the form a + bi, where a and b are real numbers and b doesn't equal zero
7. an equation that has the radical symbol
11. the linear and quadratic graphs don't intersect and no point satisfies both equations
12. y= a(x-h)^2 + k
15. a number without a variable
18. b^2 -4ac
19. where the graph crosses the x-axis
22. synonym for solution; setting the equation equal to zero to find the value of x
23. group ax^2 + bx together and c in a group then add (b/2)^2 to both groups
24. x= -b plus or minus the square root of b^2 -4ac divided by 2a (a method of solving quadratic equations
25. a number that multiplies by itself to equal a quantity

Down

1. an algebraic expression that has three terms
3. f(x)= ax^2 + bx + c (represents the parabola)
4. the linear and quadratic graphs intersect at two places (points), which satisfy both equations
6. a line that divides an object in half creating mirror images on either side
8. the linear and quadratic graphs intersect at one point, which satisfies both equations
9. ax^2 + bx + c (can be solved by graphing, factoring,or completing the square)
10. the number in front of (being multiplied by) the variable
13. synonym for solution; where the graph crosses the x-axis
14. the highest point on a graph
16. the lowest point on a graph
17. a u-shaped graph with a minimum or maximum vertex
20. imaginary numbers and real numbers together (a + bi)
21. (h,k) can either be a maximum or a minimum