Quadratic Crossword Puzzle!

Crossword grid answers (as filled):

- 2 Across: TRINOMIAL
- 3 Across: COEFFICIENTS
- 7 Across: X INTERCEPT
- 13 Across: STANDARD FORM
- 16 Across: QUADRATIC EQUATION
- 18 Across: ZEROS
- 19 Across: SQUARE ROOT
- 20 Across: MAXIMUM
- 21 Across: VERTEX
- 22 Across: CONSTANT
- 23 Across: MINIMUM
- 24 Across: COMPLETING THE SQUARE
- 25 Across: VERTEX FORM
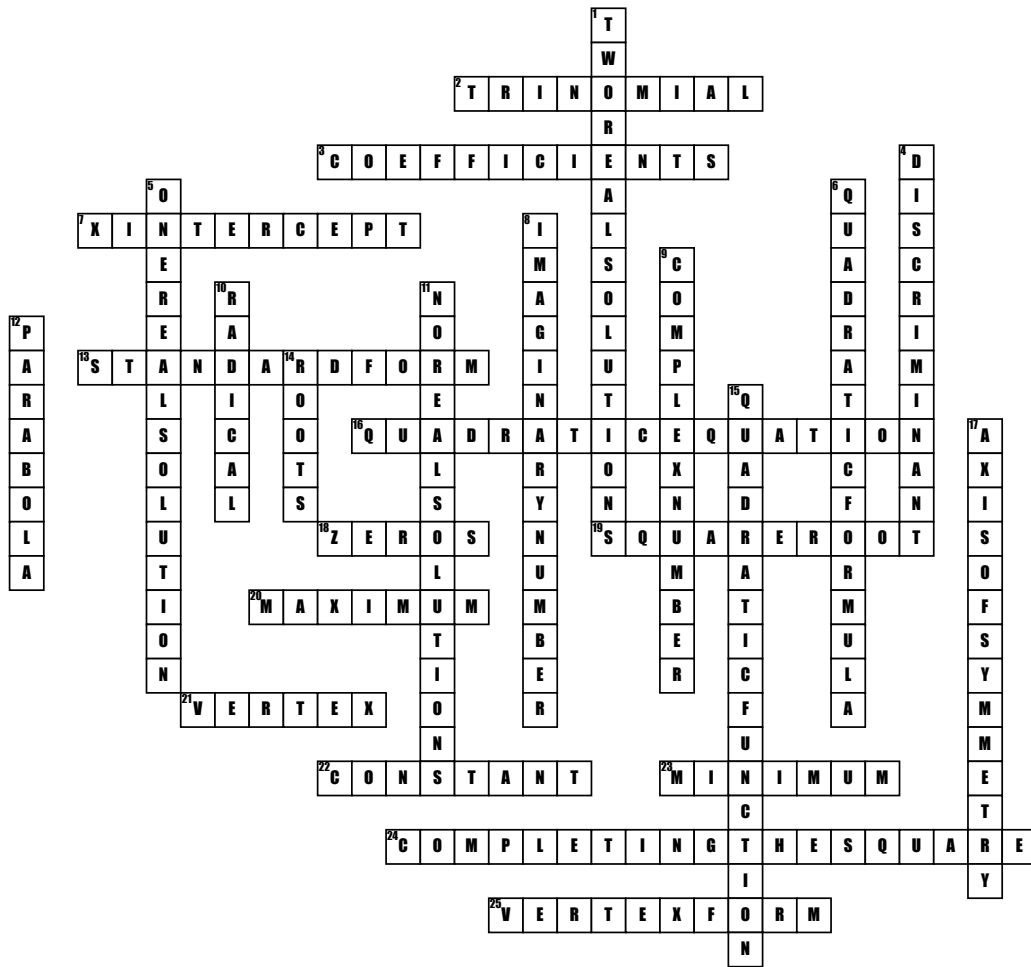
Across
2. an expression with three terms
3. what is multiplied to the variable, x
7. where the line intercepts the x-axis.
13. _____=0
16. _____, used for parabolas
18. the solutions to a quadratic equation
19. A perfect square, for example _____
20. when a is negative, y-value of vertex, highest point on the parabola
21. where the axis of symmetry passes through, minimum/maximum in parabola. (written as coordinate)
22. "c" term in Quadratic Equation
23. when a is positive, y-value of vertex, lowest point on the parabola
24. putting the constant on the other side of the equation to make a perfect/factorable trinomial.
25. y=_____ ; translations to find vertex

Down
1. when the discriminant is positive
4. y=_____ ; gives you number of solutions
5. when the discriminant is 0
6. a bad boy couldn't decide whether or not to go to a raaaadical house party, he didn't want to be square and miss out on 4 awesome chicks. The party ended at 2 am. (_____)
8. Square root of negative number; _____
9. a number that includes both a real and imaginary number.
10. symbol: _____ ; used to find perfect squares (ex. 8x8=64, _____)
11. when the discriminant is negative
12. a point/curved line equidistant to focus/directrix
14. the solutions to the quadratic formula
15. f(x) ; in form of _____
17. the x-value of the vertex, line that hits the parabola (line makes parabola symmetrical)

Word Bank

One real solution	X-intercept	No real solutions	Complex Number	Zeros
Standard Form	Quadratic Formula	Parabola	Trinomial	Two real solutions
Quadratic Equation	Vertex	Roots	Square Root	discriminant
Imaginary Number	Vertex Form	Constant	Completing the Square	Minimum
Maximum	Radical	Axis of Symmetry	Coefficients	Quadratic Function