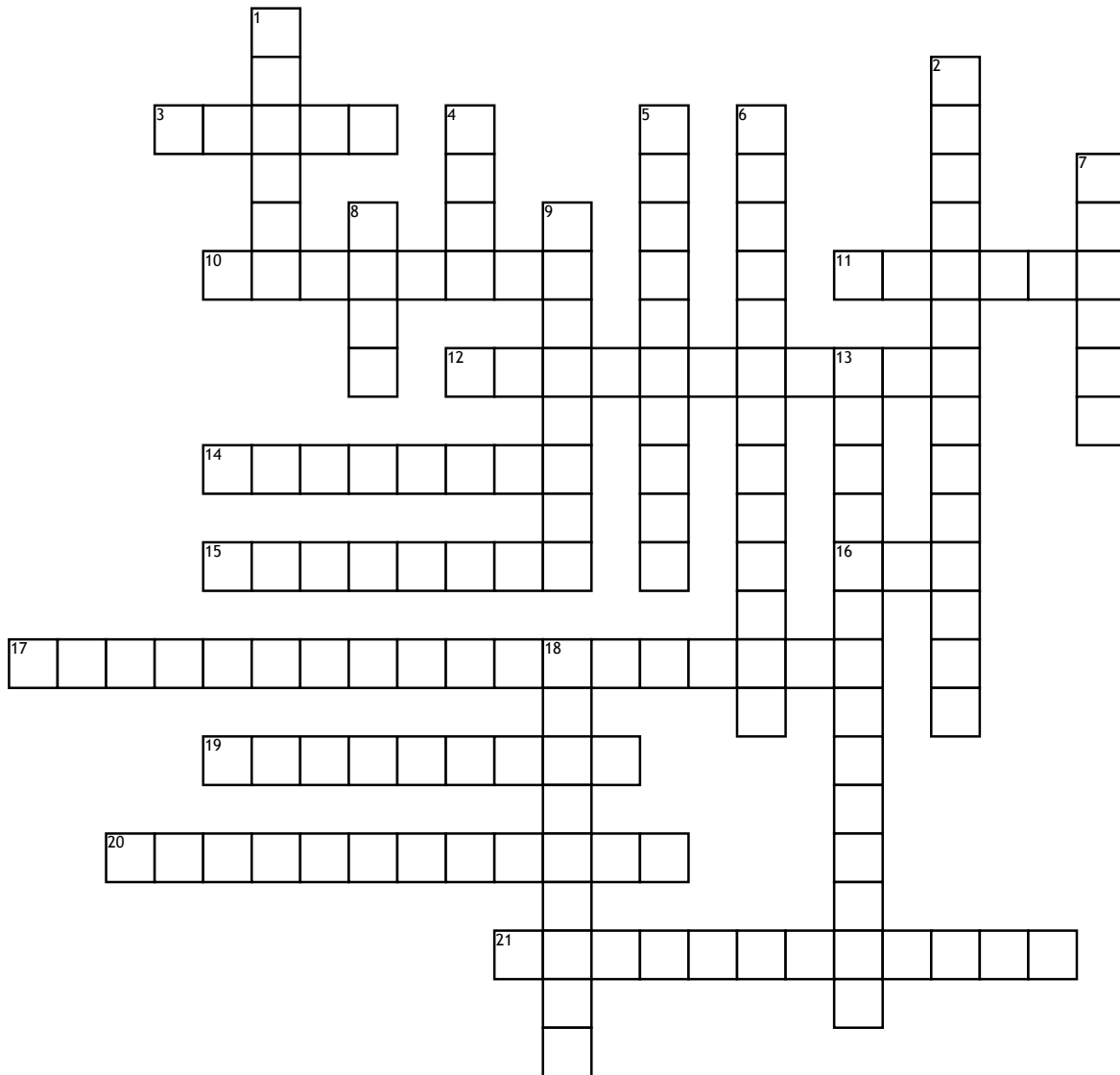# Quadratic Functions and Other stuff

Across

3. a cubic polynomial has a degree of _____.
10. what E stands for in PEMDAS
11. our CHS mascot
12. the part of the graph that identifies the solutions of the parabola
14. name of a quadratic graph
15. the number under the radical sign
16. how many solutions when discriminant is equal to zero
17. famous formula used to solve right triangle side lengths
19. name indicating second degree
20. $y = a(x - r1)(x - r2)$
21. $b^2 - 4ac$

Down

1. the turning point of a parabola
2. the line that divides a parabola in half
4. number of solutions when the discriminant is less than 0
5. the operation that "undoes" squaring a number
6. special name of a number that has a whole number as its square root
7. another name for first degree
8. the direction the parabola faces when the a-value is negative
9. To solve a quadratic equation using the quadratic formula, you must first write the equation in _____ form.
13. square root of 36
18. a polynomial with 3 terms