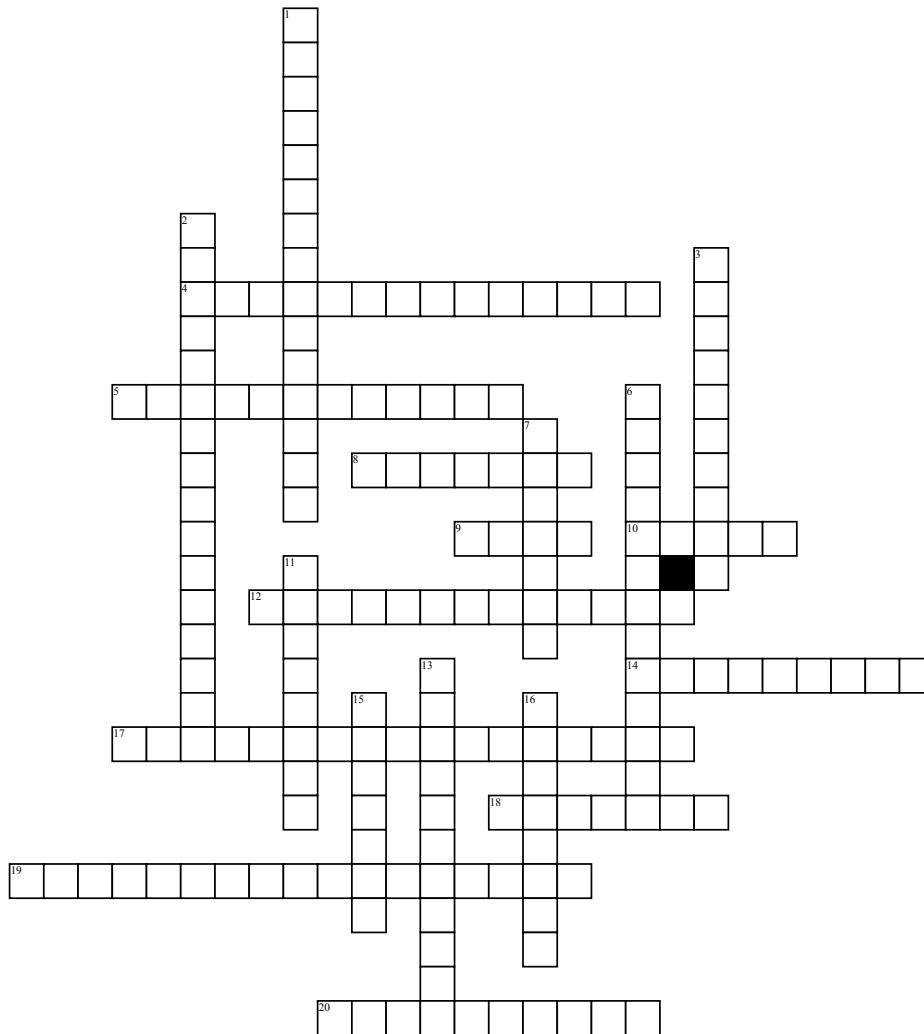


Quadratic Equations



Across

- 4. A vertical line that divides the parabola into 2 equal halves
- 5. A way of writing down very large or very small numbers easily
- 8. A square root and/or cube root
- 9. First, Outer, inner, and last
- 10. Easily seen as the x-intercept in a quadratic function
- 12. A number that can be expressed by a+bi
- 14. consist of three terms

17. This equation in standard form is $ax^2+bx+c=0$

18. The highest point

19. This function has a parabola

20. The equation for this is $f(x)=a(x-h)^2+k$

Down

1. an example of this is $x^2+2xy+y^2$

2. This is used in algebra to solve quadratic equations.

3. A number which produces a specified quantity when multiplied by itself

6. often known as $y=mx+b$

7. the greatest value

11. A number on its own

13. A number used to multiply a variable

15. the smallest value

16. Defined as the u-shaped curve

Word Bank

- | | | | | |
|-------------------|----------------|--------------------|--------------------|------------------|
| roots | radical | parabola | Constant | minimum |
| quadratic formula | intercept form | Complex number | quadratic function | Vertex form |
| Maximum | Foil | Coefficient | Binomial Squared | Axis of Symmetry |
| Maximum | standard form | quadratic equation | square root | trinomial |