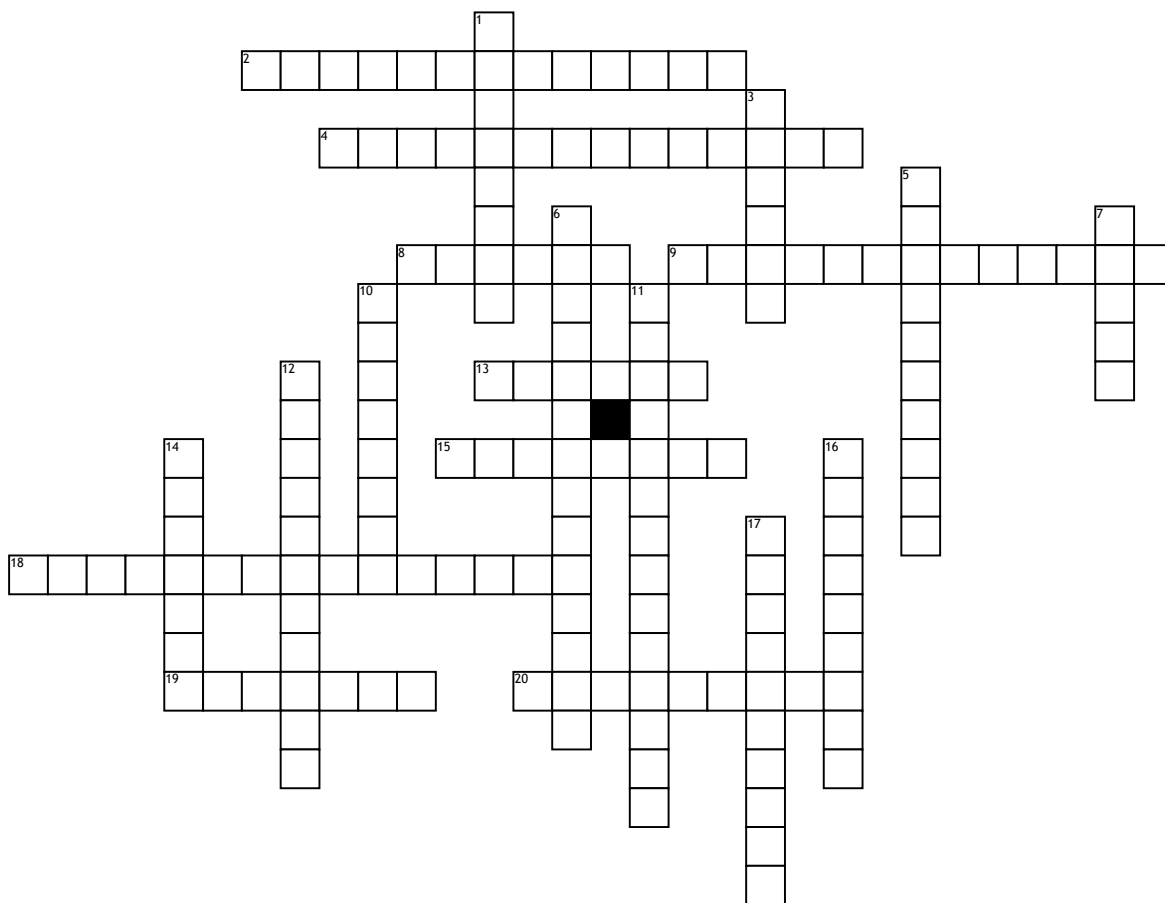# Alegebra

Across

2. f(x)=[x]

4. The most basic function in a family.

8. The lowest point on a parabola that opens up or the highest point on a parabola that opens down.

9. A change in size, shape or position of a graph.

13. point (0,0)

15. A u shaped quadratic function

18. A transformation in which you multiply your y coordinates by a factor greater than 1.

19. y-coordinate of the vertex where a >0

20. f(x)=a(x-p)(x-q) is _____form

Down

1. f(x)=ax^2+bx+c is _____form

3. f(x)=x

5. f(x) = a(x-h)^2+k, the vertex is (h,k)

6. A transformation in which you multiply your y coordinates by a factor less than 1.

7. a point that is equal distance from the vertex as the directrix and lies on the axis of symetry

10. f(x)=1

11. A line that divides a parabola into mirror images and passes thru the vertex.

12. a shift horizontally or vertically in a graph which does not change its size or shape.

14. a coordinate of the vertex where x<0

16. A function written in the format f(x)=a(x-h)^2+k

17. A transformation that flips a graph over the line of reflection.