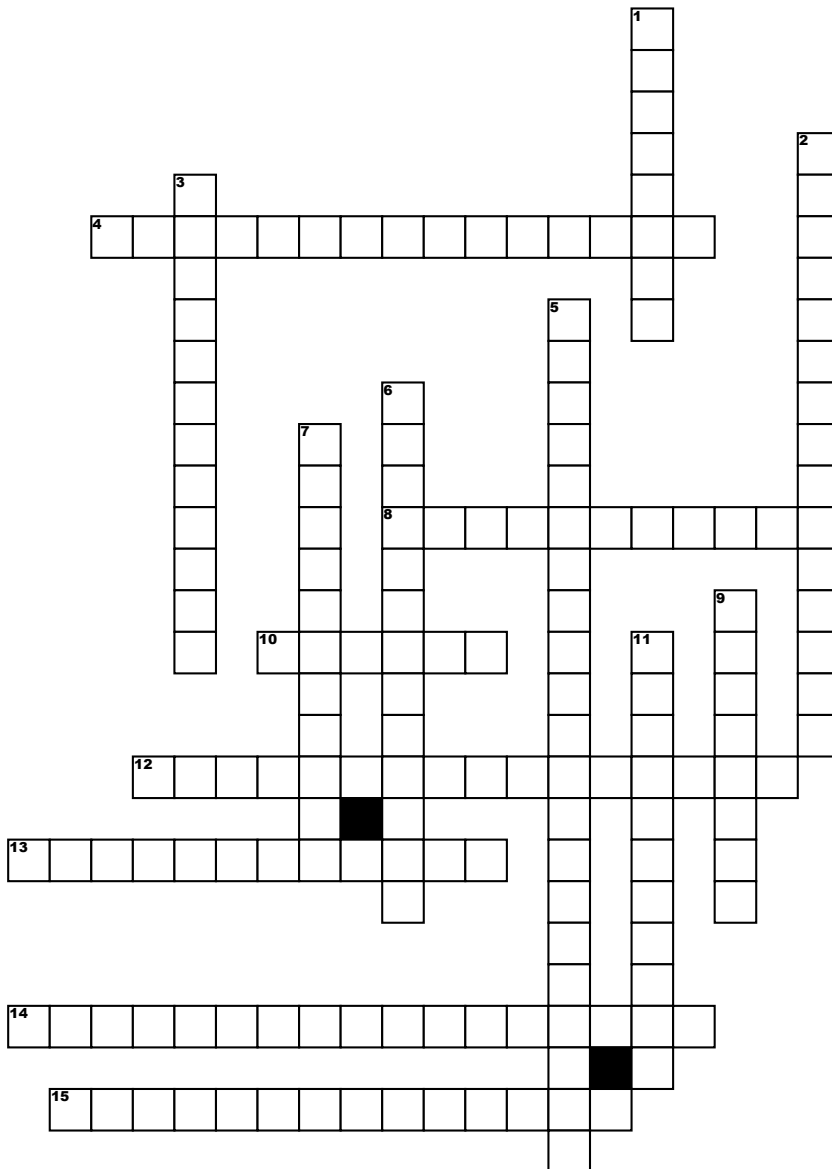# The "Fun" Algebra Crossword puzzle

Across

4. Inverse of the relation consisting of all ordered pairs (x,y) is the set of all ordered pairs (y,x)

8. A function in which f(-x)=-f(x) for all x in the domain of the function

10. Highest or lowest point on the parabola.

12. Square root of negative numbers.

13. An expression that defines a function

14. Equation that can be written in the form ax2 + bx + c = 0

15. A change in the position, size, or shape of a figure or graph.

Down

1. Set of points equidistant from a line and a point.

2. Value of a function of x for which f(x)=0

3. A function in which f(-x)=f(x) for all x in the domain of the function

5. Function whose rule contains absolute-value expressions.

6. Written as |x|, represents the distance between x and 0 on a number line.

7. Transformation that pushes the points of a graph horizontally toward the y- axis or vertically toward the x-axis.

9. Part of a number line without any breaks.

11. Describes what happens to the f(x) values as the x-values either increase or decrease without bound.