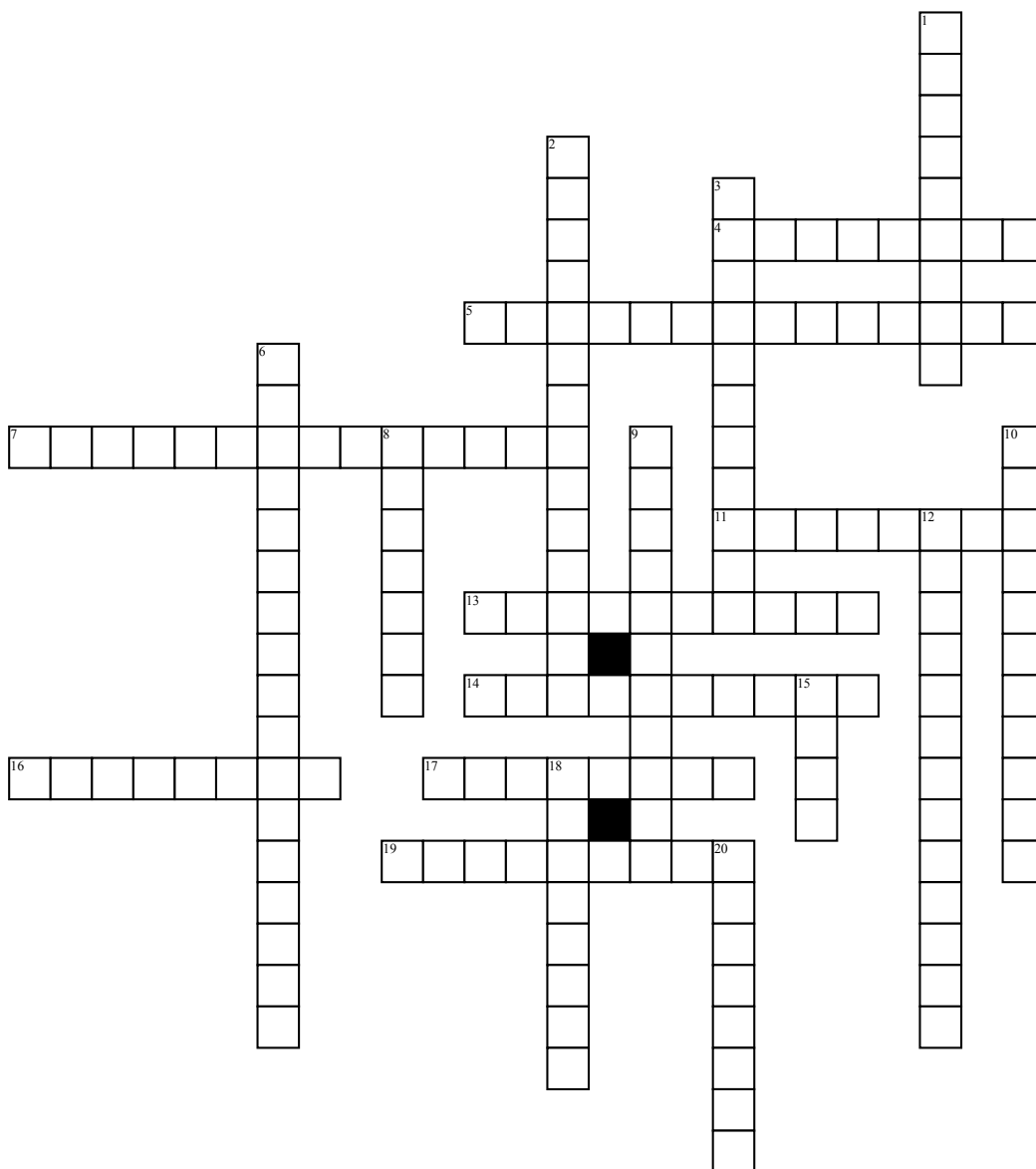# algebra scrapbook

Across

4. a mathematical sentence with an equal sign

5. The set of numbers 1, 2, 3, 4, ... Also called counting numbers.

7. an example that shows a conjecture is false

11. substituting a given number for each variable

13. a mathematical phrase that contains operations, numbers, and/or variables

14. A statement that compares two quantities using <, >, ≤,≥, or ≠

16. a quantity that does not vary

17. a symbol (like x or y) that is used in mathematical or logical expressions to represent a variable quantity

19. terms with exactly the same variable factors in a variable expression

Down

1. two numbers that are the same distance from zero on a number line, but are in opposite directions. (-2 and 2)

2. an example that shows a conjecture is false

3. the set of numbers that includes rational and irrational numbers.

6. numbers that cannot be expressed in the form a/b, where a and b are integers and b =0.

8. s the study of mathematical symbols and the rules for manipulating these symbols; it is a unifying thread of almost all of mathematics

9. The set of numbers 0, 1, 2, 3, 4,....

10. The numerical factor when a term has a variable

12. The distance that a number is from zero on the number line

15. a number, a variable, or the product of a number and a variable

18. Whole numbers and their opposites

20. to write an expression in a simpler form