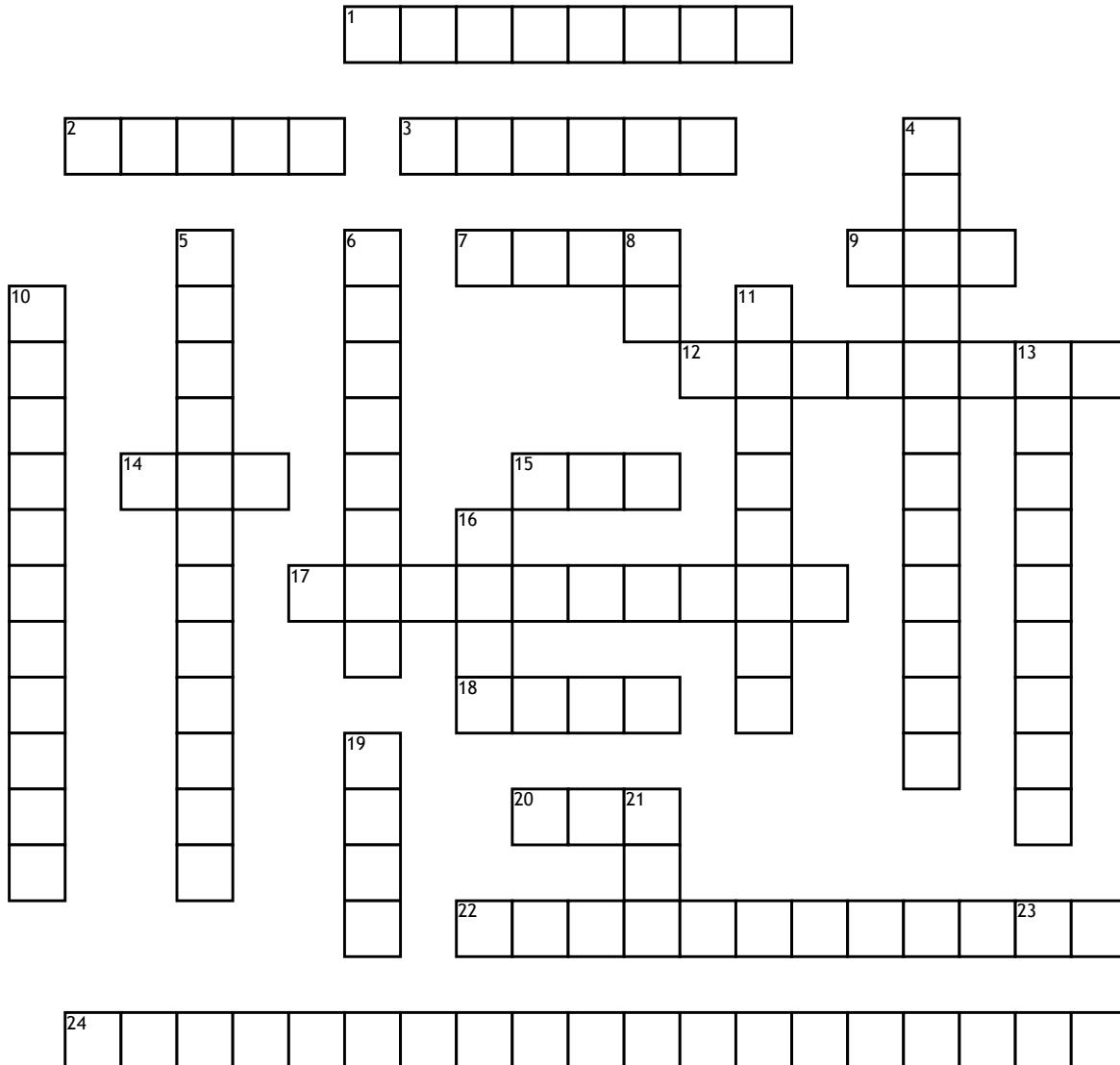Name: _____   Date: _____

Algebra Review

Across

1. if inverse functions are functions that undo each other, what is the inverse function of y=4x+12

2. in the problem (a+5)(a-5), what cancels

3. 10 to the negative third power is

7. factor 12y^2+18y with the GCF

9. for an integer n greater than 1, if b^n=a, then b is an _____ root of a

12. when finding the power of a power, _____ the exponents

14. when multiplying powers with the same base, _____ the exponents

15. the inverse relation of 3,7 would be

17. a _____ is a monomial or a sum of monomials

18. when factoring completely, what commonality can you pull from 7x^4 and 28x^2

20. if solving by factoring, the roots of 2x^2 + 8x= 0 are

22. after pulling the GCF out of this problem: (a^3+3a^2)+(a+3), what should you answer look like

24. the rule (if a and b are real numbers and ab=0, then a=0 or b=0) is also known as the

Down

4. the O in FOIL (a method used to multiply binomials) stands for

5. a polynomial in one variable is in _____ when the exponents of the terms decrease from left to right

6. a relation that pairs one input with exactly one output

8. 256 to the 3/4 power is

10. (a+b)^2 simplifies to

11. when dividing powers with the same base, _____ the exponents

13. when multiplying binomials and trinomials, you should use the distributive property to multiply, and then combine _____

16. simplify 2x to the zero power / y to the negative seventh power

19. (-5x-x^3+4) + (2x+x^3-1)

21. in the equation x^2+7x+12, which pair of factors of 12 would you use to put your factors into binomials and FOIL

23. 87 to the zero power is