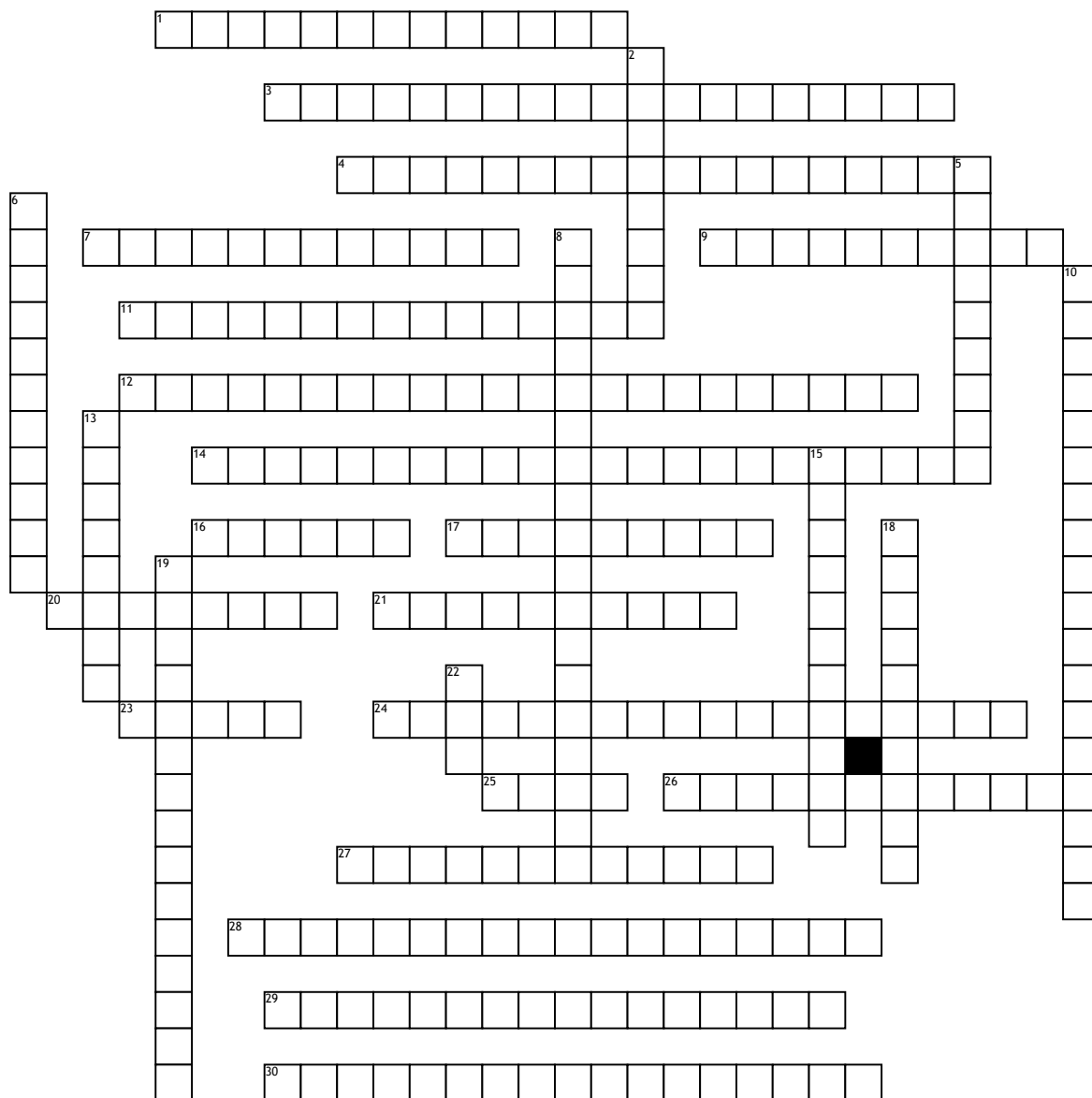


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Special Factoring Crossword Puzzle



## Across

1. where the graph changes from increasing to decreasing
3. When we multiply using the sum and difference pattern
4. the coefficient of the 1st term of the polynomial once it has been ordered
7. written in the most commonly accepted way
9. a monomial or the sum of monomials
11. Polynomial that can't be written as a product of two polynomials
12. trinomials that are the square of a binomial
14. When we square a binomial, the answer is a trinomial
16. the result of multiplying a number by itself
17. To express a polynomial as the product of monomials and polynomials

## Down

2. one term that consists of a number, a variable, or a product of the two with whole number exponents
5. a polynomial with 3 terms
6. A whole number greater than 1 that has exactly two factors
8. A whole number expressed as a product of factors that are all prime numbers
10. the greatest degree of its terms
13. A value we can put in place of a variable that makes the equation true
15. symmetric about the origin
18. where a line intercepts the y axis of a graph
19. A whole number greater than 1 that has more than 2 factors
22. product of the prime factors common to two or more integers
20. a polynomial with 2 terms
21. where a line intersects the x axis of a graph
23. The solutions of a quadratic equation
24. y-value decreases as the x-value increases
25. First, outer, inner, last
26. A monomial expressed as a product of prime numbers and variables in which no variable has an exponent greater than 1
27. symmetric about the y-axis
28. y-value increases as the x-value increases
29. The sum of the exponents of the variables in the monomial
30. the use of the distributive property to factor