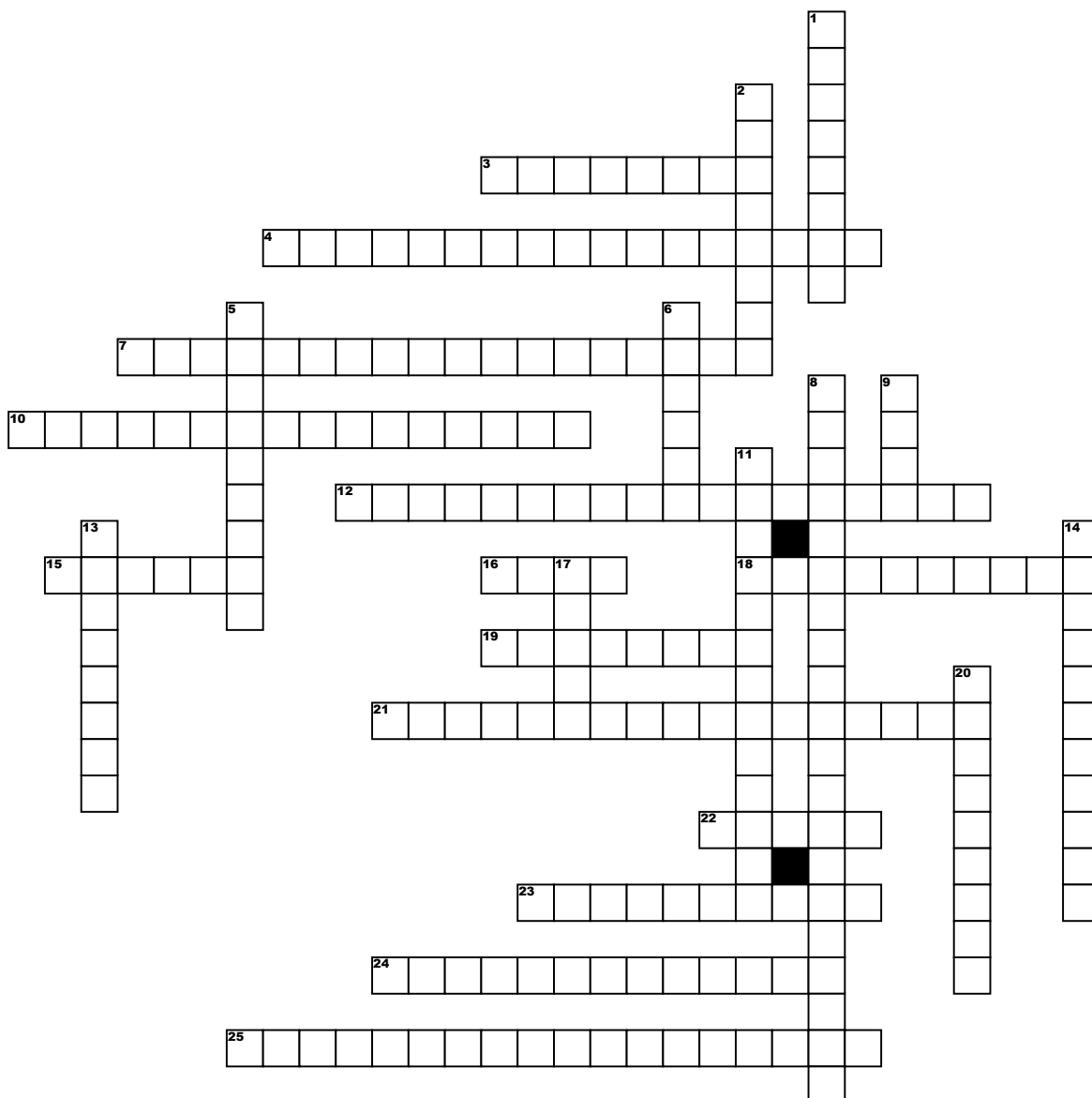


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Math Mystery Cross Word



## Across

3. if two slopes of two lines on a graph are the same what are the lines called?

4. functions that are represented by a combination of equations, each corresponding to a part of the domain

7. when evaluating a polynomial function what method do you have to use a calculator?

10. maps the output values back to their original input values

12. what form of a line is represented by  $y=mx+b$ ?

15. set of input values

16. on a graph if the line is horizontal what is "m"?

18. what form of a line is represented by  $y-y_1=m(x-x_1)$

19. one output for each input

21. uses the coefficients of the quotients to divide a polynomial

22. ratio of vertical change to horizontal change

23. a number is a square root of a number

24. the distance a number is from 0 and has a positive or negative value

25. two simple inequalities joined by "and" or "or"

## Down

1. mapping or pairing of input values with output values

2. value or variable that makes an inequality true

5. what order does your final answer have to be when adding or subtracting polynomials?

6. if the variable's exponent is 1 the line is...

8. when multiplying polynomials what do you have to do in order to solve the equation?

9. when solving quadratic functions by factoring what do you have to set the equation to?

11. if the slopes of two lines on a graph are the negative reciprocal of each other what are these lines called?

13. if the line on a graph rises what is the value of "m"?

14. what can't contain a radical?

17. set of output values

20. on a graph if the line is vertical what is "m"?