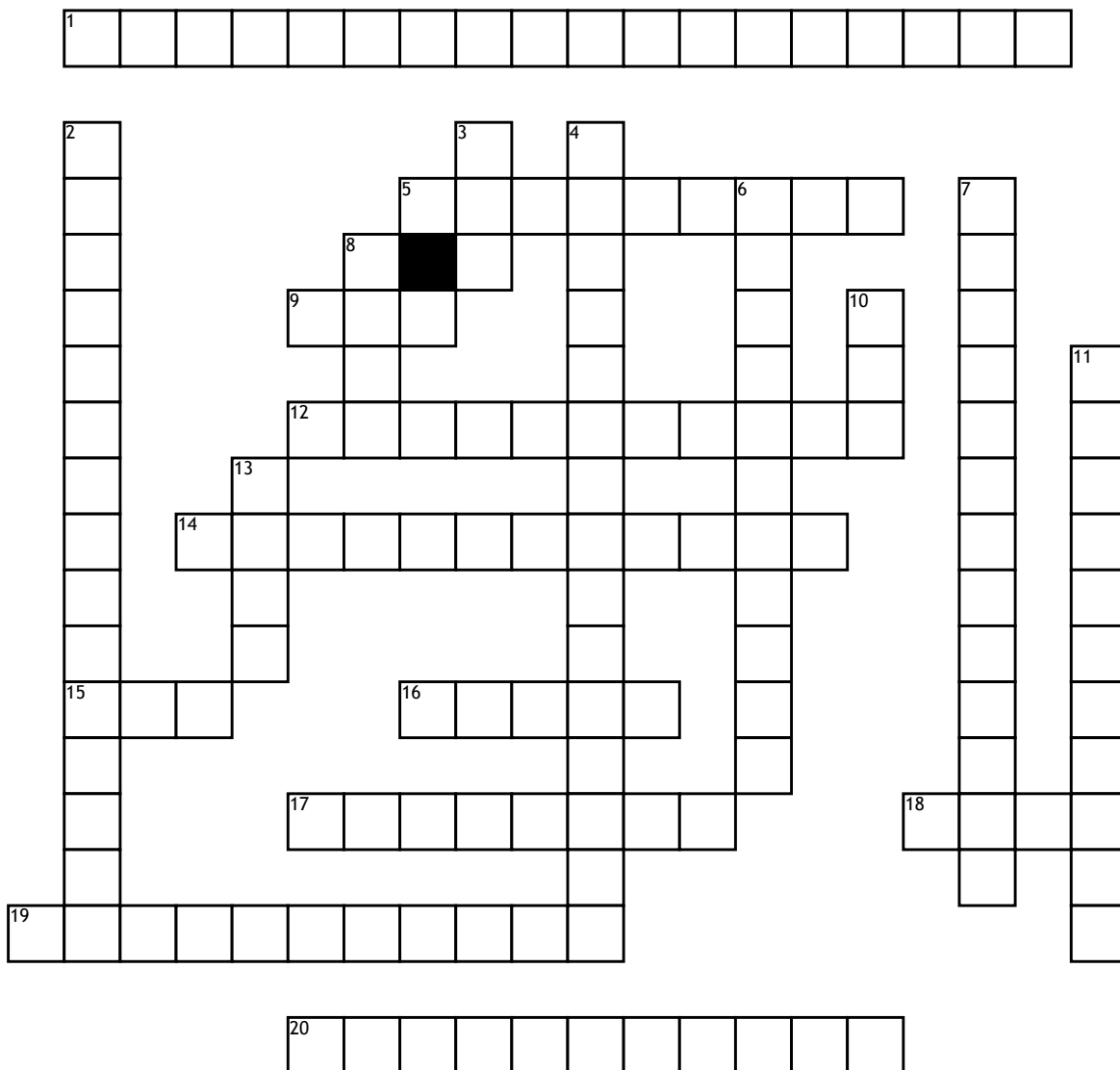


# Crossword Puzzle Project



## Across

1. Find the slope of  $(-6,5)$  and  $(10,-7)$
5. What is the slope of a vertical line?
9. Find the slope of a line that is parallel to a line which is  $y=6x-4$
12. Find the slope of a line using the equation  $4x+2y=8$
14. Using the point-slope form, what is the y-intercept of a line if a point is  $(-2,5)$  with the slope being  $-5$ ?
15. If the equation of a line is  $20x-4y=20$ , what is the x-intercept of that line?
16. Find the slope of  $(2,3)$  and  $(3,6)$

17. Find the slope of the line with the equation  $5x-2y=-6$

18. What is the slope of a horizontal line?

19. If the equation of a line is  $5x-10y=20$ , what is the y-intercept of the line?

20. If the equation of a line is  $10x+5y=-10$ , what is the slope of a line parallel to it?

## Down

2. What is the slope of a line that is perpendicular to the line that goes through points  $(10,4)$  and  $(6,2)$ ?

3. What is the slope of a line that is perpendicular to the line that goes through  $(-5,6)$  and  $(4,-3)$ ?

4. Using the equation  $y=6y+3$ , find the x-intercept of the line

6. If the equation of a line is  $y=5x+5$ , what is the x-intercept of that line?

7. Find the y-intercept of  $5x-3y=9$

8. Using the equation  $y=5x-25$ , find the x-intercept of the line

10. Find the y-intercept of  $10x-6y=-12$

11. Using the point-slope form, what is the y-intercept of a line if a point is  $(1,3)$  with the slope being  $4$ ?

13. The slope of the line  $y=6$  is \_\_\_\_