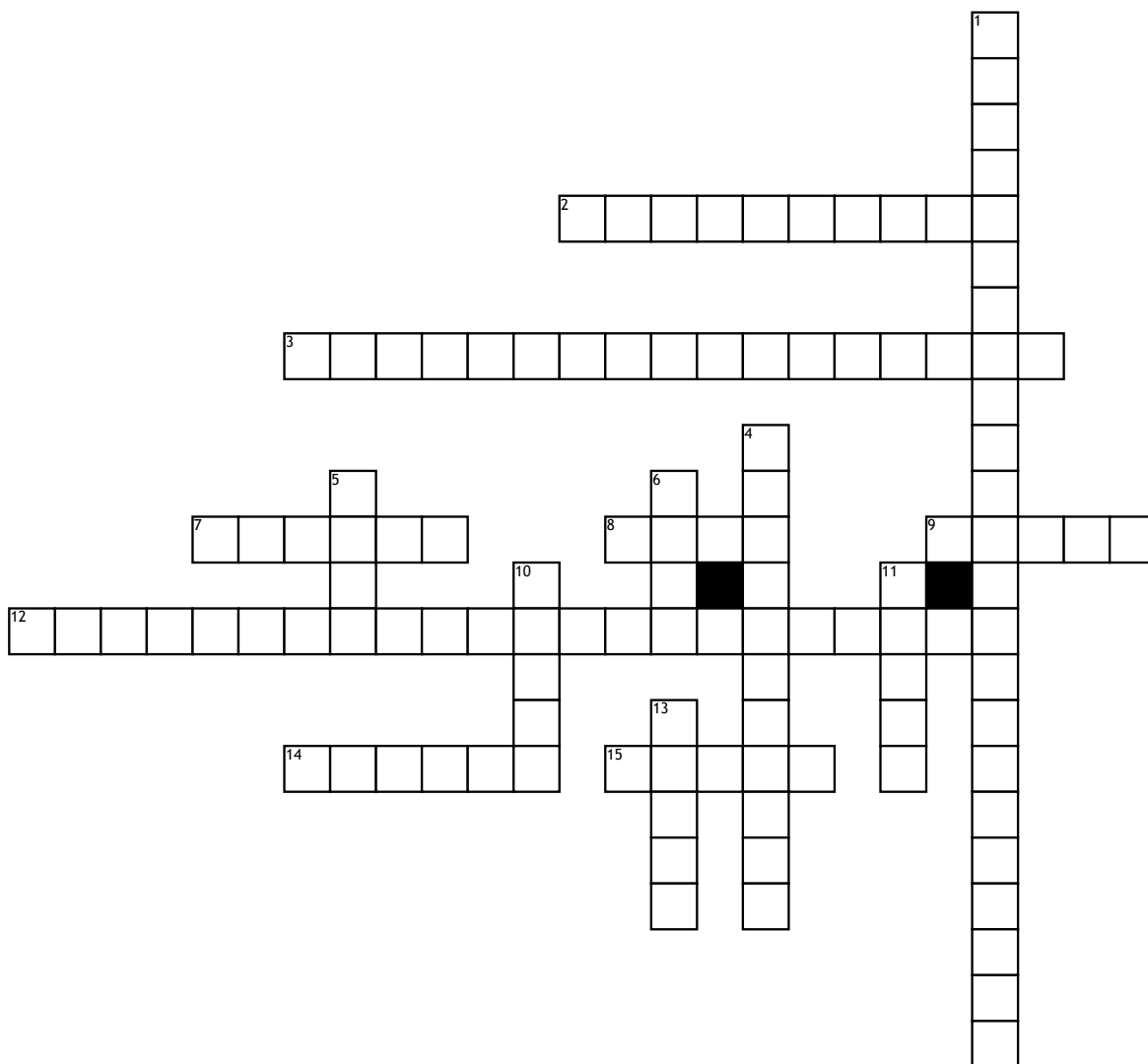


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Comparing Linear Equations



## Across

2. When comparing linear functions the solution will always be false
3. Pear Cellphone Company charges a monthly charge of \$8 and \$0.12 a minute per call if you service two phones. You decided to compare this company with the competitor, Banana Cellphone Company, who charges the \$0.15 a minute rate but their monthly charge is \$25 for one phone. At what point (number of minutes) will the bills for each company be the same?
7. Multiply/Divide to get the variable by itself is the \_\_\_\_\_ step to solving for a multi-step equation
8. The equation  $2(10x + 20) = 20x + 40$  has infinitely many solutions

9. The equation  $6x - 4 = 2(3x - 2)$  has no solution

12. Which phone company would be more compatible with someone who used more than 100 min. a month?

14. Combine like terms is the \_\_\_\_\_ step to solving for a multi-step equation

15. Check the work by plugging the solution in for the variable in the original equation \_\_\_\_\_ step to solving for a multi-step equation

## Down

1. When comparing linear functions the solution will have multiple true occurrences

4. When comparing linear functions there will only be one true solution

5. The equation  $6x + 4 = 2x - 3$  has one solution

6. The equation  $5x - 3 = 5x + 5$  has no solution

10. Add/Subtract to get terms with variables on the left, and constants on the right is the \_\_\_\_\_ step to solving for a multi-step equation

11. The equation  $3x + 7 = 2(x - 4) - x$  has infinitely many solutions

13. Clear any parentheses using the Distributive Property is the \_\_\_\_\_ step to solving for a multi-step equation