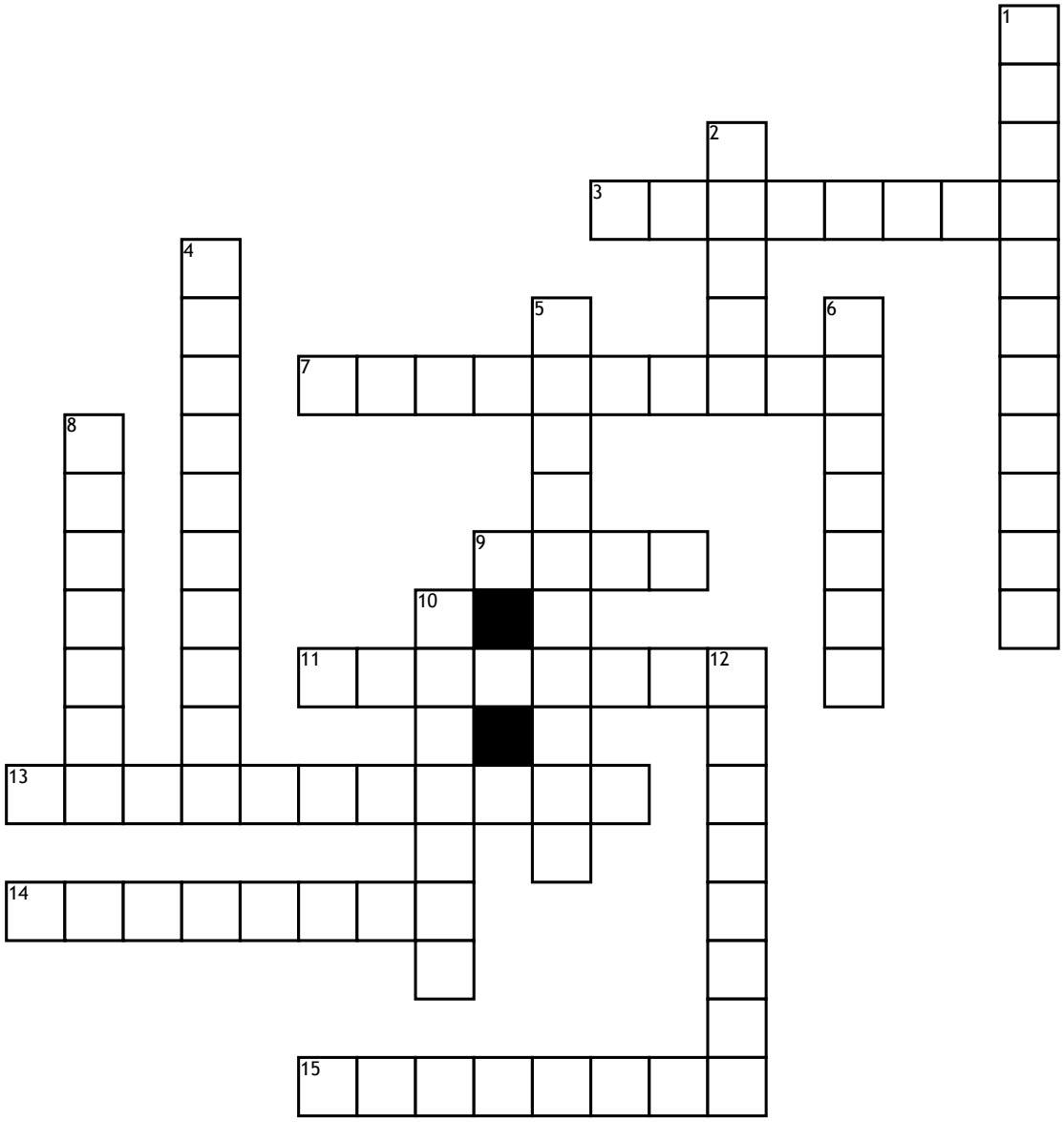
Name: _____

Linear Function Transformations



Across

3. A stretch or shrink of a function

7. This number changes the position of a line.

9. To horizontally stretch a linear function, multiply the function by a number _____ than 1.

11. The function g(x) = 3x is a _____ of the function f(x) = x.

13. A vertical, horizontal or diagonal slide of a function or image

14. To reflect a linear function, make the slope the _____.

15. To translate a linear function up, add a _____ number to the function.

Down

1. The function g(x) = x - 4 is a _____ of the function f(x) = x.

2. This number changes the steepness of a line.

4. A mirror image of a linear function

5. The function g(x) = -2x + 1 is a dilation, translation and _____ of the function f(x) = x.

6. A slope greater than 1 makes a line _____.

8. To horizontally shrink a linear function, multiply the function by a number _____ than 1.

10. A positive slope less than 1 makes a line _____.

12. To translate a linear function down, add a _____ number to the function.