Name: _____   Date: _____

Chapter 4 Vocabulary Review

The crossword grid contains the following answers:

Across
- 5. SLOPEINTERCEPTFORM
- 9. PARALLELLINES
- 12. PARENTLINEARFUNCTION
- 13. FUNCTIONNOTATION
- 14. LINEAREQUATION
- 15. RATEOFCHANGE

Down
- 1. YINTERCEPT
- 2. QUADRANT
- 3. CONSTANTA
- 4. FAMILYOFFUNCTIONS
- 6. XINTERCEPT
- 7. SLOPE
- 8. SOLUTION
- 10. DIRECTVARIATION
- 11. STANDARDFORM
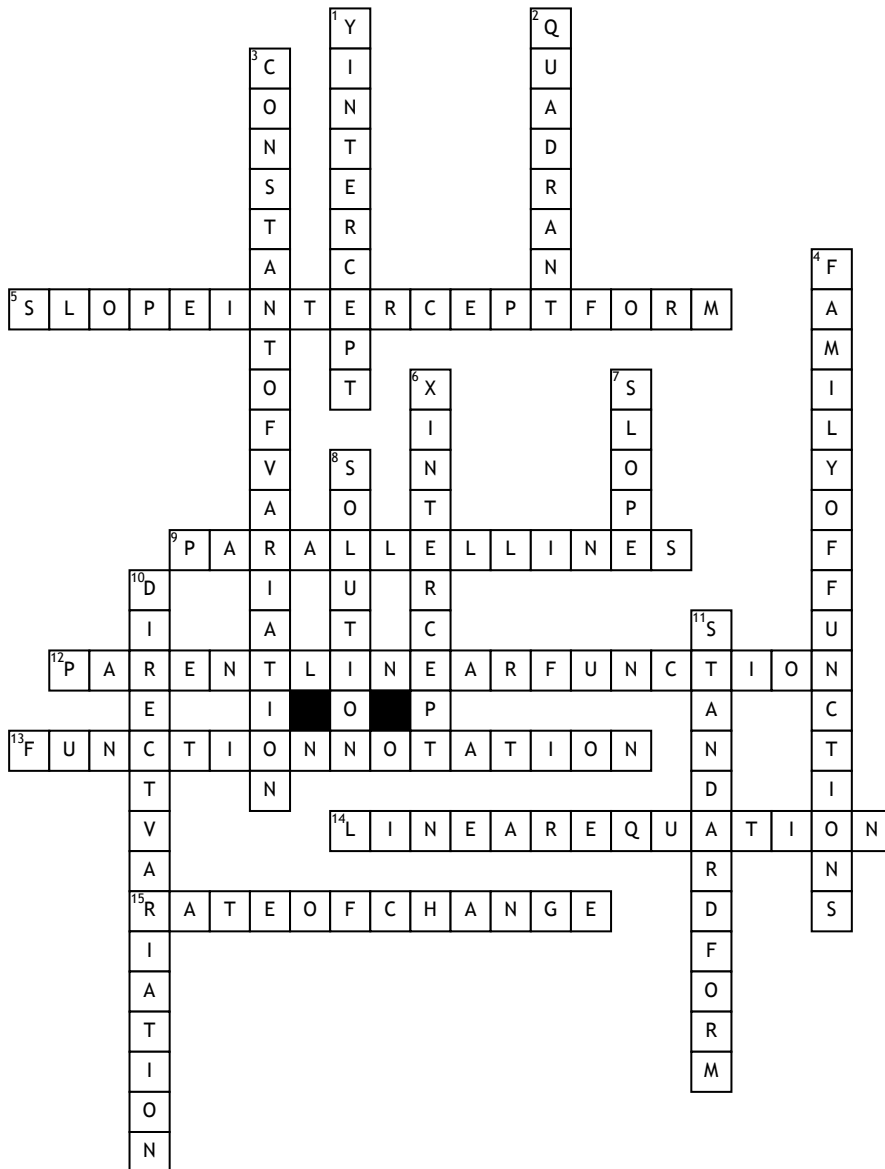
Across
5. A linear equation written in the form y = mx+b, where m is the slope and b is the y-intercept.

9. Two lines in the same plane that do not intersect.

12. The function f(x)=x, which is the most basic function in the family of linear functions.

13. A way to name a function using the symbol f(x) instead of y.

14. An equation whose graph is a line.

15. The comparison of a change in one quantity with a change in another quantity.

Down
1. The y-coordinate of a point where a graph crosses the y-axis.

2. The four regions into which the coordinate plane is divided by the x-axis and the y-axis.

3. The nonzero constant m in a direct variation equation.

4. A group of functions with similar charateristics.

6. The x-coordinate of a point where a graph crosses the x-axis.

7. Represented by m, the ratio of the vertical change (the rise) to the horizontal change (the run) between any two points on the line.

8. An ordered pair that produces a true statement when the coordinates of the ordered pair are substitued.

10. The relationship of two variables x and y such that y=mx. Then y is said to vary directly withx.

11. Ax+By=C, where A, B, and C are real numbers.