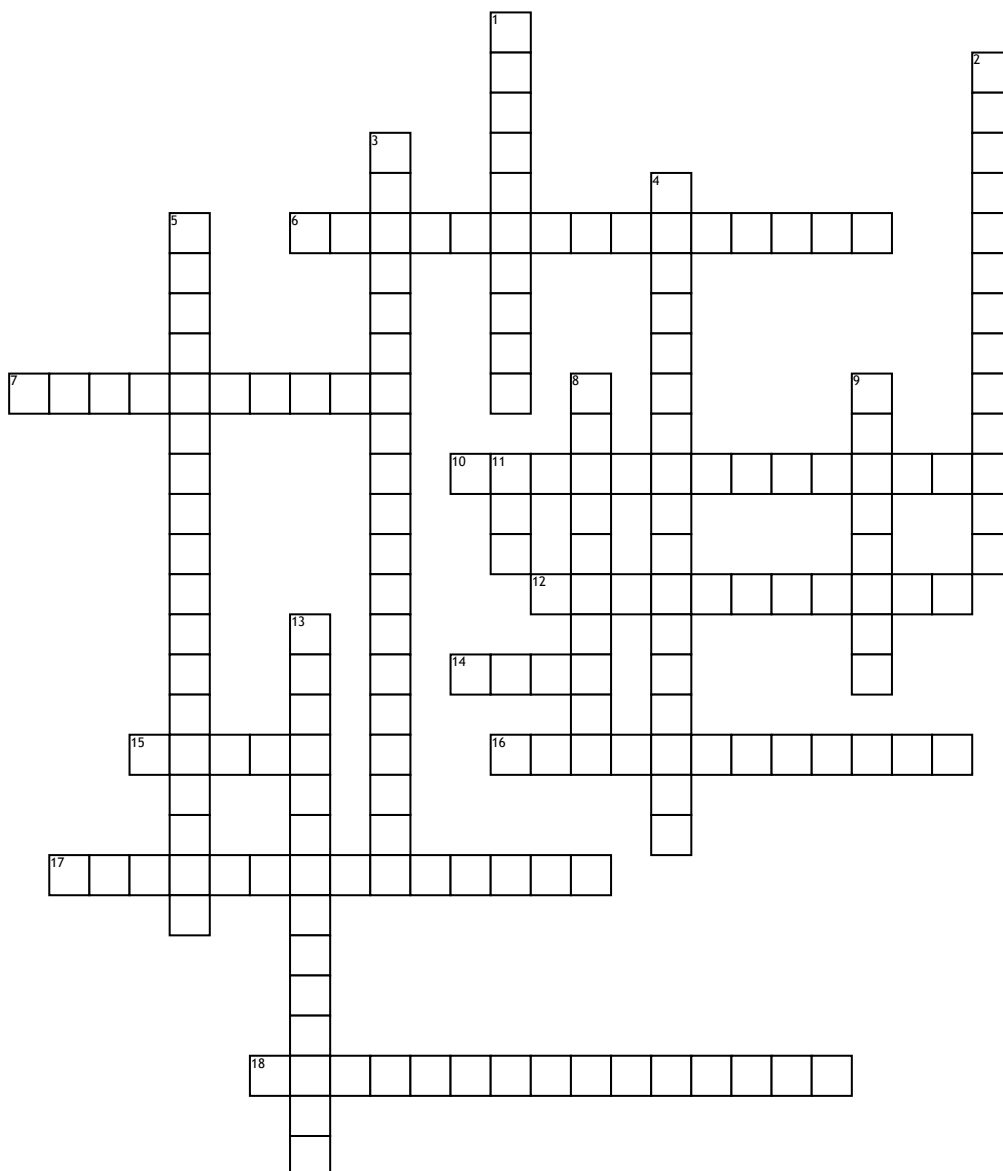# Chapter 6 Extra Credit

Across

6. an equation that can be written in the form ax=b where a and b are constants and a does not equal 0

7. a transformation that reflects, or 'flips', a graph of figure across a line, called the line of reflection

10. a change in the position, size, or shape of a figure or graph

12. a transformation that rotates or turns a figure about a point called the center of rotation

14. the difference in the y-values of two points on a line

15. a measure of the steepness of a line

16. a ratio that compares the amount of change in a dependent variable to the amount of change in an independent variable

17. a function that can be written in the form y=mx+b, where x is the independent variable and m and b are real numbers

18. a linear relationship between two variables, x and y, that can be written in the form y=kx where k is a nonzero number

Down

1. the y coordinate of the point where a graph intersects the y-axis

2. lines in the same plane that do not intersect

3. the constant k in direct and inverse variation equations

4. a set of functions whose graphs have basic characteristics in common

5. lines that intersect at 90 degree angles

8. the x coordinate of the point where a graph intersects the x-axis

9. a transformation that rotates or turns a figure about a point called the center of rotation

11. the difference in the x-values of two points on a line

13. the simplest function with the defining characteristics of the family