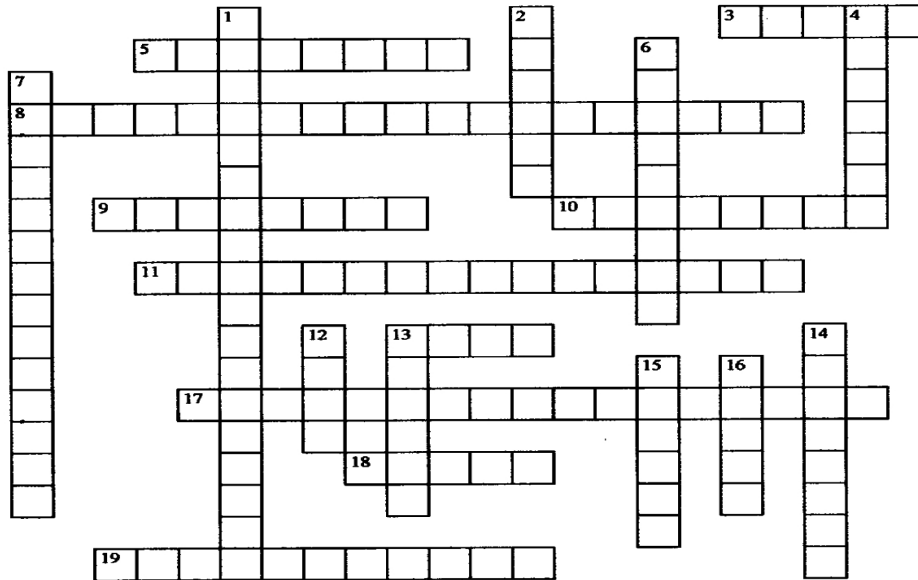# Chapter 5 Vocabulary

ACROSS

3 Horizontal number line (2 words)

5 A relation in which each element of the domain is paired with exactly one element of the range. Often f(x), "f of x"

8 Usually the x-variable: the variable that does not get influenced by the other variable (2 words)

9 Of an equation in two variables: an ordered pair of numbers that can be substituted into an equation to make a true statement

10 The values in a set of data that divide the data into four equal parts; the median is the middle one

DOWN

1 The difference between the upper quartile and the lower quartile of a set of data; the middle 50% of the data (2 words)

2 (of a relation): the set of x-coordinates that a relation can have

4 Q is this of relation S if for every ordered pair (a,b) in S, there is an ordered pair (b,a) in Q.

6 The four parts of the coordinate plane divided by the x- and y-axis: the top right one is the first, the rest are counted counter-clockwise

7 An equation of the form Ax + By = C, where A, B, and C are real numbers, and A and B are not both zero at the