Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

Introduction to Function Notation

For each pair of variables below (#1 – 15),

1. Circle or highlight the independent variable, and
2. Write a sentence giving the relationship between the two variables using either “depends on” or “is a function of.”
3. spring rainfall and wildflowers
4. number of shrimp and food supply available for the shrimp
5. number of predators and number of rabbits
6. amount of money spent and articles of clothing bought
7. amount of stagnant water and number of mosquito larva
8. *w*(*c*), where *c* = calories and *w* = weight
9. *T*(*t*), where *T* = temperature and *t* = time of day
10. *A*(*d*), where *A* = area and *d* = diameter
11. *w*(*e*), where *e* = exercise and *w* = weight
12. *b*(*k*), where *b* = electric bill and *k* = kilowatt hours used

Continue with the same directions that are at the top of the page. Then, write each of the following pairs of variables using function notation.

1. *g* = grade and *t* = hours of television watched
2. *r* = amount of rainfall and *R* = the river level
3. *s* = length of a side of a square and *P* = the perimeter of the square
4. *n* = number of lawns mowed and *d* = dollars earned
5. *m* = money spent and *n* = number of CD’s purchased