Name: _____ Date: _____

Chapter 2 Vocabulary

1. a function where each element of the domain is paired with exactly one unique element of the range

2. any set of ordered pairs

3. a relation in which each element of the domain is paired with exactly one element of the range

4. each element of the range corresponds to an element of the domain

5. a relation that is a set of unconnected points when graphed

6. a relation that can be graphed with a line or smooth curve

7. can be used to determine whether a graph represents a function

8. when an equation represents a function, these are the values that make up the domain

9. when an equation represents a function, these are the values that make up the range

10. used to represent equations as functions

11. can be written in the form y = mx + b

12. a function whose ordered pairs satisfy a linear equation

13. the behavior of a graph as x approaches positive or negative infinity

14. a point on the graph of a function where no other nearby points have a greater y-coordinate

15. the relative maxima and relative minima

16. a function that is written using two or more expressions

17. a function that contains a single expression

18. graph consists of line segments

A. y intercept

B. function notation

C. linear equation

D. end behavior

E. x intercept

F. greatest integer function

G. dilation

H. onto function

I. linear function

J. step function

K. translation

L. parent graph

M. relative maximum

N. one to one function

O. piecewise defined function

P. piecewise linear function

Q. line of reflection

R. continuous relation

19. one kind of step function

20. a function that contains an algebraic expression within absolute value symbols

21. the simplest function of a family of graphs

22. the line over which a reflection flips a figure

23. a transformation that alters the size of a figure but not its shape

24. a transformation in which a figure is slid from one position to another without being turned

25. any point where the graph intersects the x-axis

26. any point where the graph intersects the y-axis

S. function

T. dependent variable

U. relation

V. turning point

W. absolute value function

X. discrete relation

Y. independent variable

Z. vertical line test