Willard Middle School – Mathematics

FORMATIVE TEST – Power Standard 8:6

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_

1. Which set of ordered pairs is a solution to y = -2x - 4?

a. ( 1,-6 ), ( 2,-8 ), ( 3,-10 )

b. ( 1,6 ), ( 2,4 ), ( 3,2 )

c. ( 1,-2 ), ( 2,0 ), ( 3,2 )

d. ( 0,0 ), ( 1,-2 ), ( 2,2 )

1. Write a function rule and make a t-bar of values. Graph your function rule.
2. Use the following set of ordered pairs to write a function rule: (0,1), (1,3), (2, 5). Illustrate your rule with a word problem.
3. Determine the next three terms of the following sequence? 4,2,0,…

Write a function rule for the sequence and use it to find the 20th term.

1. Does the following set of ordered pairs represent a linear pattern? Explain.

(1,1), (2,4), (3,9), (4,16)