Willard Middle School – Mathematics

SUMMATIVE TEST – Power Standard 8:6

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

1. Which set of ordered pairs is a solution to y=5x+3?

 a. ( 1,20 ), ( 2,25 ), ( 3,30 )

b. ( 1,53 ), ( 2,23 ), ( 3,3 )

c. ( 0,3 ), ( 5,28 ), ( 10,53 )

d. ( -1,8 ), ( -2,13 ), ( -3,18 )

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: (0,25), (1,35), (2, 45). Illustrate your rule with a word problem.
3. Determine the next three terms of the following sequence.

 8,13,18,…

 Write a function rule for the sequence and use it to find the 15th term.

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

(0,-1), (1,3), (2,7), (3,11)