Willard Middle School – Mathematics

PRETEST – Power Standard 8:6

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

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

a. ( 1,6 ), ( 2,10 ), ( 3,16 )

b. ( 0,6 ), ( 1,6 ), (2,10 )

c. ( 0,0 ), ( 1,12 ), ( 2,16 )

d. ( 0,2 ), (1,6 ), ( 2,10 )

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: (0,5), (1,8), (2,11). Illustrate your rule with a word problem.
3. Determine the next three terms of the following sequence?

11, 20, 29, …

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

1. Does the following chart represent a linear pattern? Explain.

X Y

1. 1
2. 3
3. 5
4. 7