

**Math 8-Unit 3 CPM 3.1.1-3.1.7 QUIZ REVIEW**

1. Examine the pattern of squares below.



Figure 1

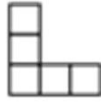


Figure 2



Figure 3

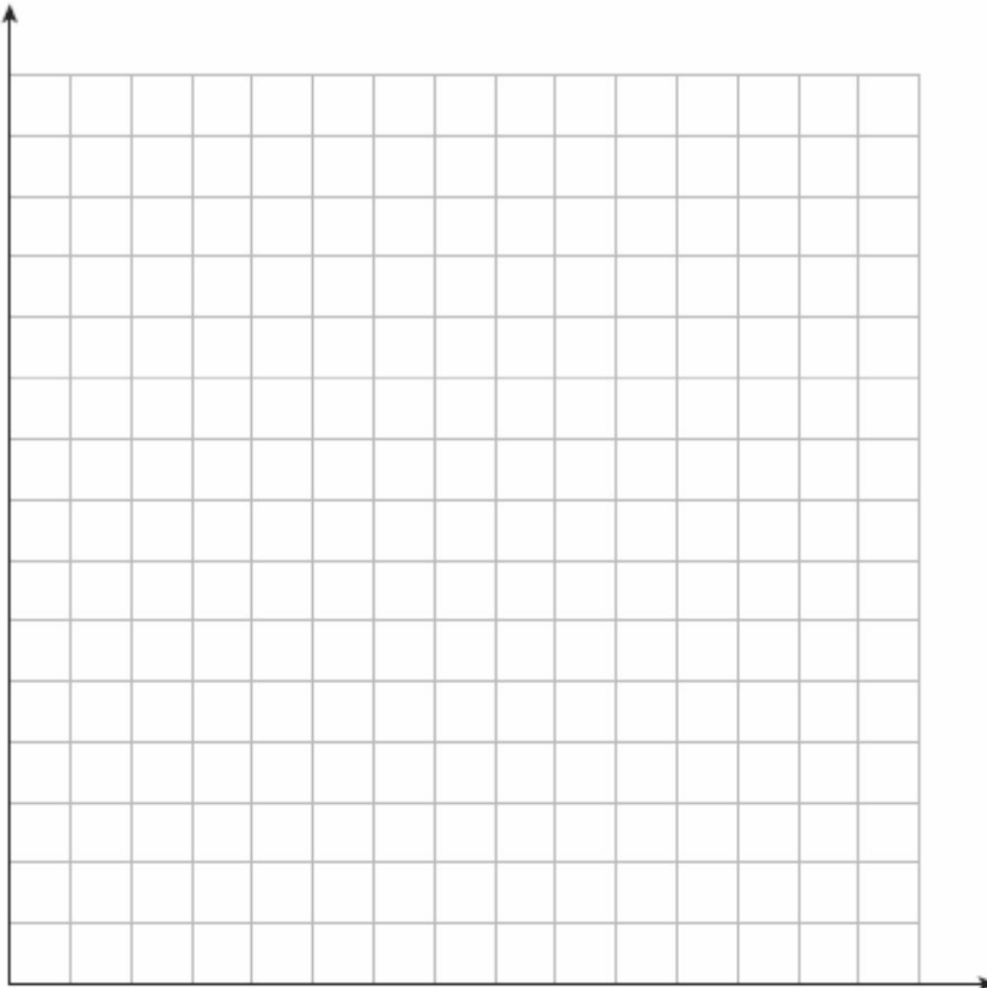
a. Describe the pattern

b. Complete the table

Figure #	0	1	2	3	4	5	6
Total # of Squares							

c. Write the Rule/Equation \_\_\_\_\_

d. Graph the Rule *(Be sure to label axis and use appropriate scale)*



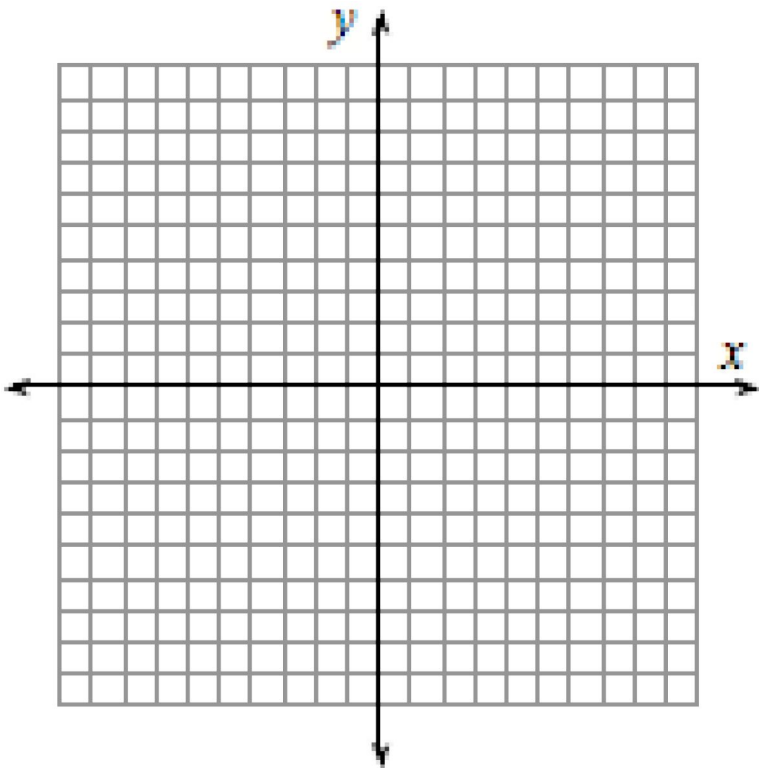
2. Which of the equations below correctly fits the table?

Input(x)	-6	-4	-2	0	2	4	x
Output(y)	1	2	3	4	5	6	

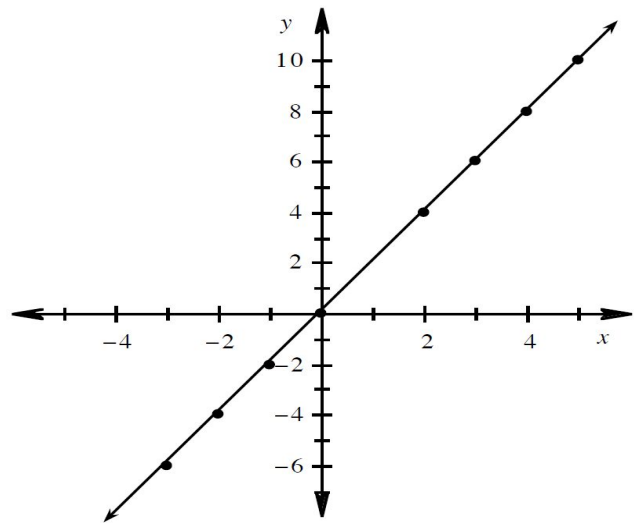
- A)  $y = -x + 4$     B)  $y = 4x + 0.5$     C)  $y = 0.5x + 4$     D)  $y = 0.5x - 4$   
 Explain how you made your decision.

3. Complete the table and graph for the equation  $y = -2x + 4$ .

x	-3	-2	-1	0	1	2	3	4
y								



4. Identify the x and y-intercepts and rule for the graph below.



x	-3	-2	-1	0	1	2	3	4
y								

X-intercept: \_\_\_\_\_

Y-intercept: \_\_\_\_\_

Rule/Equation: \_\_\_\_\_

5. Complete the table below and identify the rule/equation.

Input(x)	2	0	-4		-13		x
Output(y)	-5	1		-20	40	-17	

Rule/Equation: \_\_\_\_\_