

ALGEBRA 1

Name _____

1-9 PRACTICE: PATTERNS, EQUATIONS, and GRAPHS**Determine whether the ordered pair is a solution to the given equation.**

1. $y = 1 - x$; $(2, 1)$

2. $y = -4x$; $(-2, 8)$

3. $\frac{x}{5} = y$; $(-10, -2)$

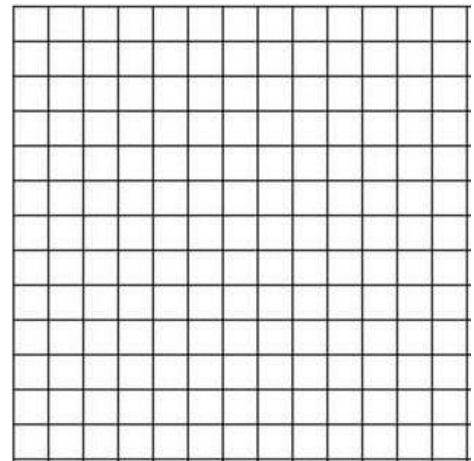
4. $y = x - \frac{3}{4}$; $(2, \frac{5}{4})$

Use the table to draw a graph and answer the given question.

5. The table shows the height in inches of stacks of tires.

a. Draw a graph, be sure to label and title the axes.

Number of Tires (x)	Height of Stack (y)
1	8
2	16
3	24
4	32
7	



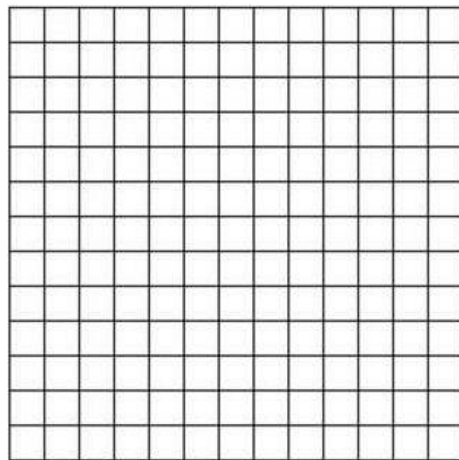
b. Using the pattern, what is the height of a stack of 7 tires? _____

c. Write an equation to represent the situation. _____

6. The table shows the amounts earned for pet sitting.

a. Draw a graph, be sure to label and title the axes.

Days (x)	Dollars (y)
1	17
2	34
3	51
4	68
9	



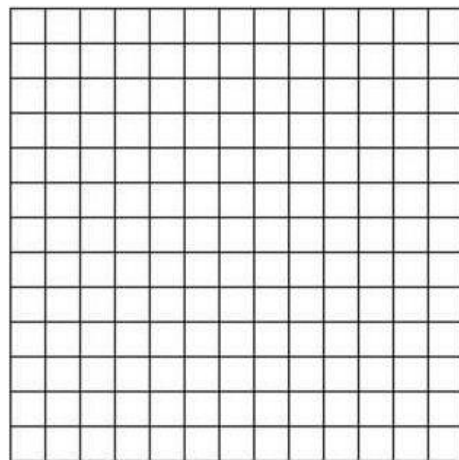
b. Using the pattern, how much is earned for a 9-day job? _____

c. Write an equation to represent the situation. _____

7. The table shows the heights in inches of trees after they have been planted.

a. Draw a graph, be sure to label and title the axes.

Height in Pot (x)	Height w/o Pot (y)
30	18
36	24
42	30
48	36
66	



b. Using the pattern, what is the height of a tree that is 64 inches tall in its pot? _____

c. Write an equation to represent the situation. _____