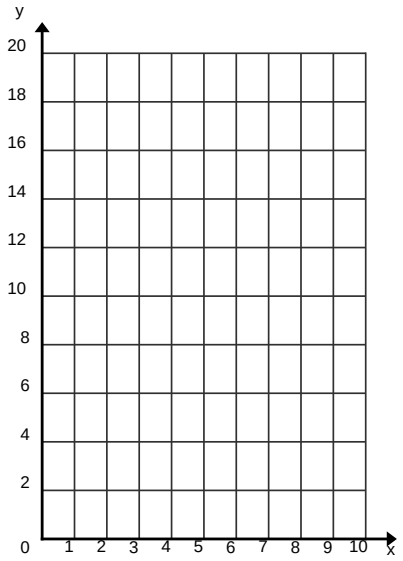
Name _____ Period_____ Date_____

Graphing Proportional Relationships

1. Katerina's math teacher is stacking math textbooks on a shelf. Each book is 2 inches thick. Complete the table, graph the points and write an equation using this information.

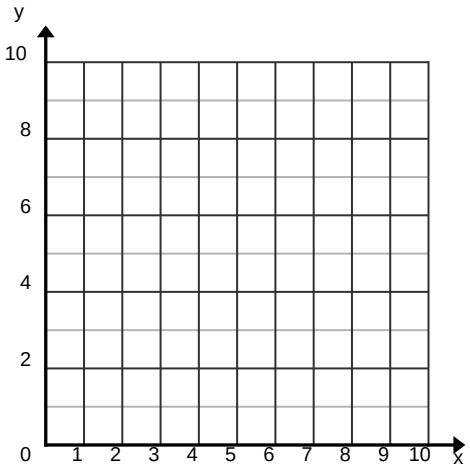
#of books	Total Shelf Space (in inches)



Equation: _____

2. A vending machine sells Pepsi's for 50 cents per can. Complete the table, graph the points and write an equation.

# of cans	Total Cost ($)

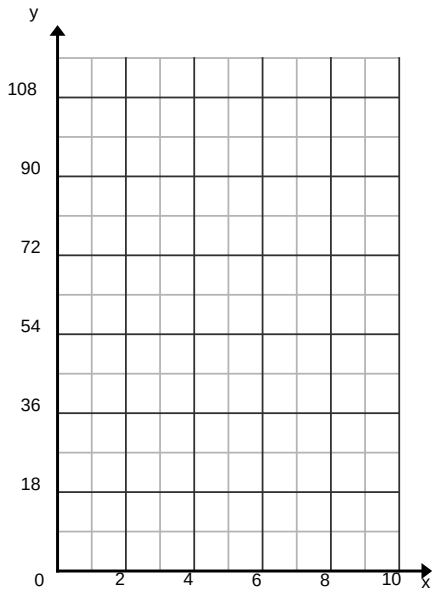


Equation: _____

Name _____ Period_____ Date_____

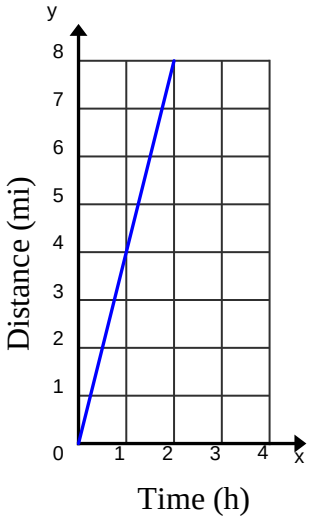
3. At a summer camp there is one counselor for every 9 campers. Complete the table, graph the points and write an equation.

# or counselors	# of campers



Equation: _____

4. The graph shows the distance a walker walks over time. Does the walker walk at a constant or variable speed? How fast is Julie walking? Write an equation for this situation.



constant

or

variable

Rate of walking =

Equation: _____