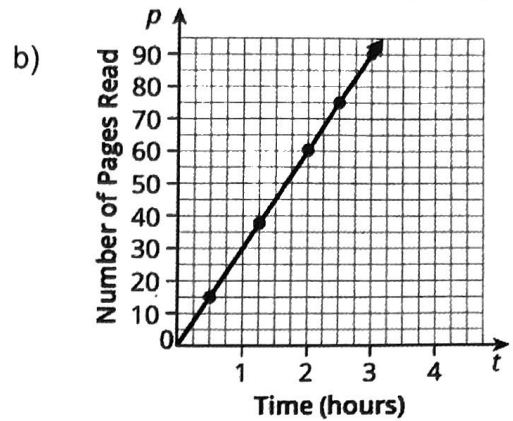
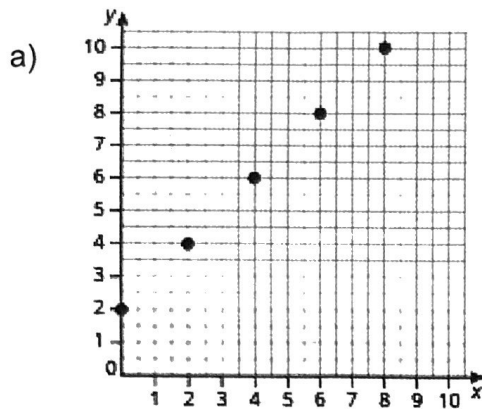
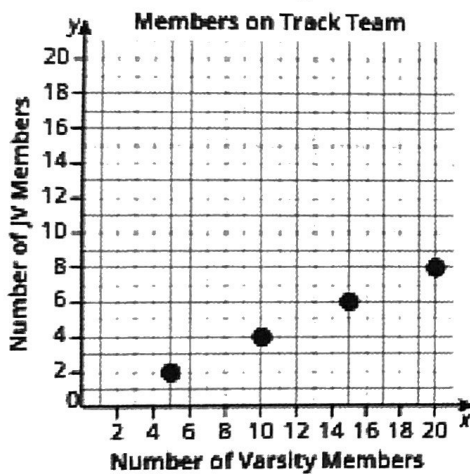


M1 T2 Part 2 Study Guide Proportionality

- 1) Does the graph show a proportional relationship? Explain why or why not. Label each graph as either discrete or continuous data (based on how it's graphed).

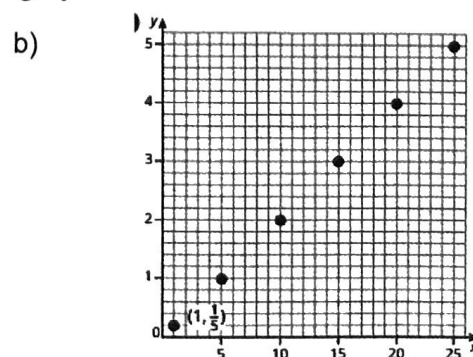
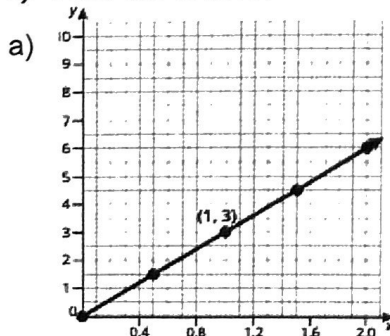


- 2) Analyze the graph and use it to answer the following questions:



- What are the coordinates (x, y) of the point that represent the unit rate?
- Write the unit rate in its fraction form.
- Write the equation of the line. (use the form $y = kx$)
- Should this data/graph be discrete or continuous? Explain.

- 3) Find the unit rate and write an equation for each graph:



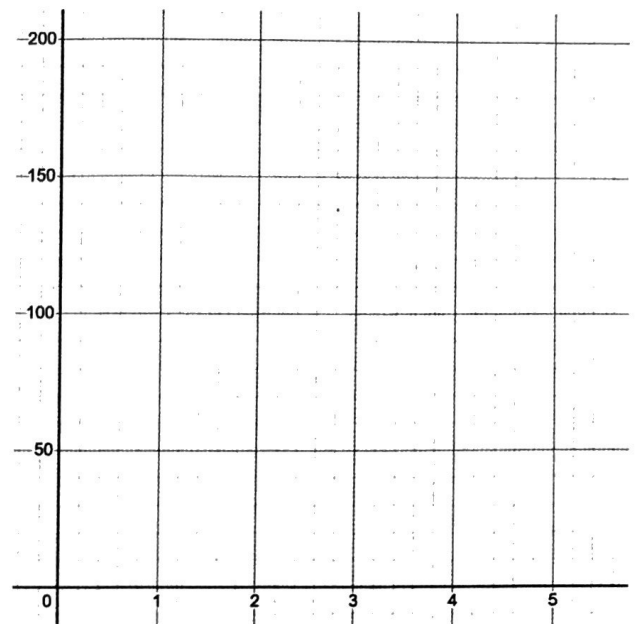
4) Complete the table, the graph, and write the equation of the line:

a) You are on a train traveling 200 miles in 5 hours.

(Label the X and Y axes on your graph)

x	y
0	
1	
2	
3	
4	
5	

Equation of the line:

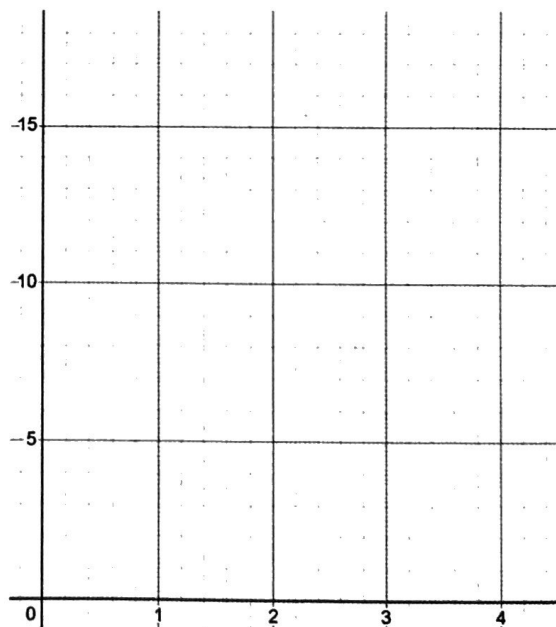


b) You pay \$18 for 4 lbs of ground turkey.

(Label the X and Y axes on your graph)

x	y
0	
1	
2	
3	
4	

Equation of the line:



5) *Analyze the values in the tables to determine whether they represent proportional relationships:*

- *If proportional, write the constant of proportionality AND the equation of the line*
- *If not proportional, write "NP" AND **explain your reasoning***

a)

x	y
2	16
3	24
4	32
5	40

k =

Equation =

b)

x	y
2	4
4	6
6	8
8	10

k =

Equation =