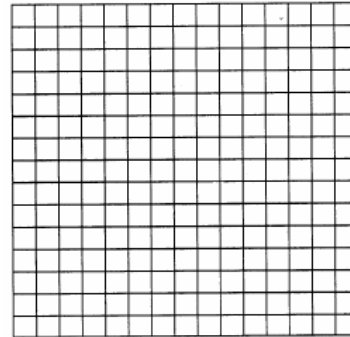


**8. The Moving Men Moving Company charges a flat fee of \$100 plus \$50 per hour.**

- a. Complete the table:
- b. Sketch a graph. Be sure to label both axis.
- c. What is the rate of change? How does this rate of change relate to the problem?

Hours		Cost
0		
1		
2		
3		

- d. What is the fixed number? How does the fixed number relate to the graph?
- e. What is the function rule?
- f. Graph this function on the calculator and identify a good viewing window for this problem. Sketch:



X min=  
 X max=  
 Y min=  
 Y max=

- g. What is the independent variable? What is the domain? How are they related?
- h. What is the dependent variable? What is the range? How are they related?
- i. How much would it cost if it took 7 hours to move?
- j. How much would it cost if it took 12 hours to move?
- k. How much would it cost if it took 20 hours to move?
- l. How many hours did it take to move if the cost was \$950?
- m. How many hours did it take to move if the cost was \$1250?