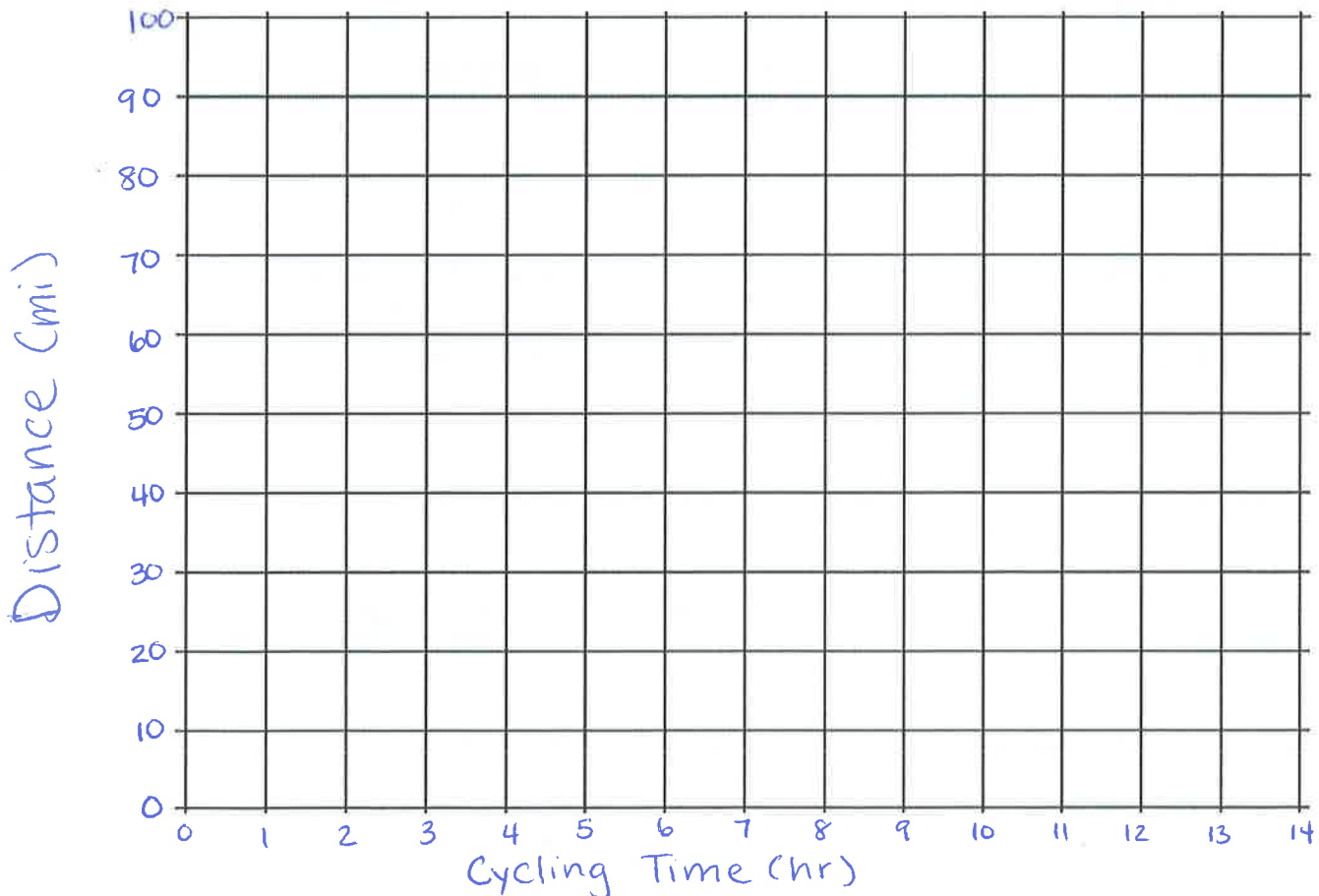


Name: _____

Periods: _____

MSA 1.2 Homework P. 16 # 3**(1)** Fill in the chart.

Cycling Time (hours)	Distance (miles)		
	Jose	Mario	Melanie
0	0	0	0
1	5	7	9
2	10	14	18
3	15	21	27
7			
RATE (mi/hr)			

(2) Graph the data for all 3 riders on this graph (use different colors).**(3)** Use the **graph** to find:**(a)** Distance traveled in $6\frac{1}{2}$ hours for each rider:

Jose:

Mario:

Melanie:

Continue to use the graph to answer (b) and (c)

(b) How long it takes each rider to travel 70 miles:

Jose:

Mario:

Melanie:

(c) How does the rate at which each person rides affect the graph?

(4) (a) Write an equation to find the distance (d) traveled after a given number of hours (t) for each rider:

Jose:

Mario:

Melanie:

(b) Use the equation to calculate the distance traveled in $6\frac{1}{2}$ hours.

Jose:

Mario:

Melanie:

(c) How does a person's cycling rate show up in his or her equation?

(5) Are there any proportional relationships? If so, what is the constant of proportionality?