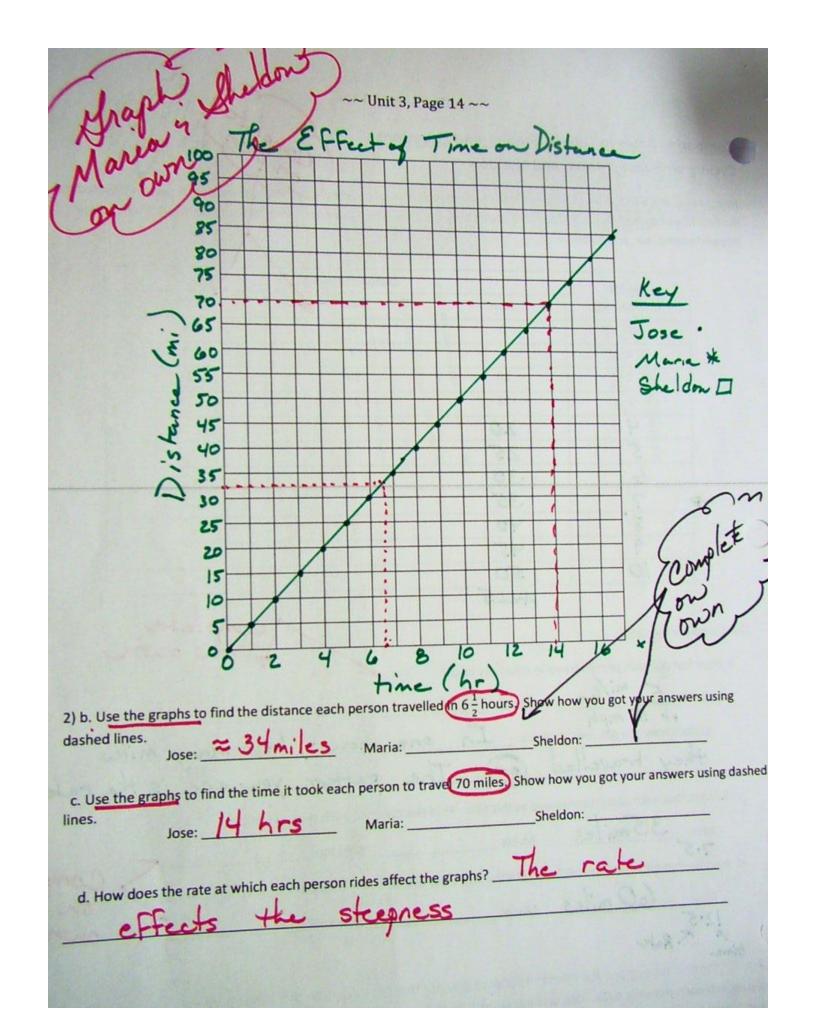
with Jose, Maria,	and Sheldon	( Comp	wn Ac The
o rest, eat, and so on.	The table shows only th	ip. The table below gives the ne time when the riders were	distance each person travel actually biking, not when th
Cycling		Distance (miles)	
Time (hours)	Jose	Maria	Chalda
0	0	0	Sheldon
1	5	7	9
2	10	14	18
3	15	21	27
4	20		21
5	25	7	No.
6	30	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
7	35	The same of the sa	107
8.	40	4	
9	45		94
10	50		
	ALL5		
	7	1	complete
ete the table.		. /	complete
ast did each person tra	avel in miles nor hour?	2 0	9 0.000
,			
5 mi/hr	Maria:	Sheldon:	
lain how you got your	answers: In	one how, he The pattern y	ow many miles
dill lion fou for four			

On the next page, graph the time and distance data for the three riders on the same coordinate grid. Make a key to

I. Assume that each person continued at this rate. Find the distance each person traveled in 12 hours.



fine your own variables.  Distance traveled= Maria:  Jose: = 5	Number of hours=	own per of hours.
<ul> <li>Use your equations from part a to calculate the distance (Show all work as indicated.)</li> </ul>	ance each person would have travel	led in $6\frac{1}{2}$ hours.
Equation $\Longrightarrow$ $d = 5h$	<u>Maria</u>	Sheldon
Substitution > d=5(6t)		- 1 N
Solution \sides d = 32.5 mi		
Compare these answers to #2 part b. Did you get	close to the same answers?	✓ Which method would
be more accurate, using the equation or the graph	1? The equa	him
. Use your equations from part a to calculate the time (Show all work as indicated.)	it took each person to travel 70 mil	les.
Equation $\Longrightarrow \frac{Jose}{d=5h}$ Substitution $\Longrightarrow 70=5h$	<u>Maria</u>	Sheldon
Work $\Longrightarrow \frac{5}{5}$ $5$ Solution $\Longrightarrow h = 14 hrs$		
Compare these answers to #2 part c. Did you get cl	ose to the same answers?	Which method would
be easier for very large numbers, using the equation	n or the graph?	