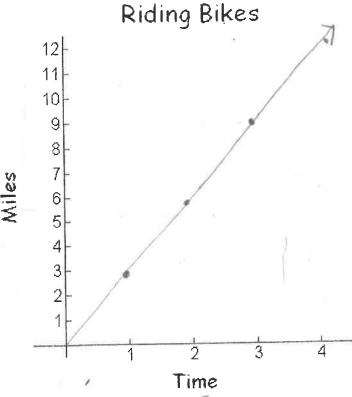
## HOMEWORK for ML ## 4

Name Key

Grandma Betty rode her bike on the Tobacco Trail. It took her 4 hours to ride 12 viles. Assume she rode at a constant rate of speed during her exercise.

Time	Miles(y)
(x)	
4	12
15 11111 555	3
a	6
3	9
5	15



You move up units for each 1 unit you move to the right.

You move up 3 units for each 2 units you move to the right.

You move up 3 units for each 3 units you move to the right.

You move up 4 units for each 4 units you move to the right.

Starting from (0,0), to get to a point (x, y) on the graph, you will go up xounits for every x units you have moved to the right.

Therefore,  $y \neq x$ , 50 y = 3x

What is the ordered pair where x = 1? (1, 3)

What does it stand for? Constant of prop, unit rate,

Grandma Betty doesn't always ride 12 miles, but she always goes the same pace. Use your equation to find the missing information based on the given information of different exercise sessions.  $V = 3 \times 10^{-6} \text{ M} \cdot \text{M} \cdot \text$ 

A. Grandma Betty rode for 6 hours and 30 minutes. How far did she go? 1 = 3(6.5) = 19.5 miles

B. Grandma Betty rode her bike for 15.75 miles. How long did it take her? Can you convert your answer to hours and minutes?  $15.75 = 3 \times$ 

proportional relationship. Support your answer by referring to the graph and table. 3) If the graph represents a proportional relationship, state the unit rate then write the equation of the line. 2. 1. Proportional? Proportional? Unit rate: Unit rate: Equation: Equation: 3. Proportional? Proportional? Unit rate: Unit rate: Equation: NA Equation:

For each graph below: 1.) Choose 3 points and put them in the table. 2.) Determine if the graph represents a