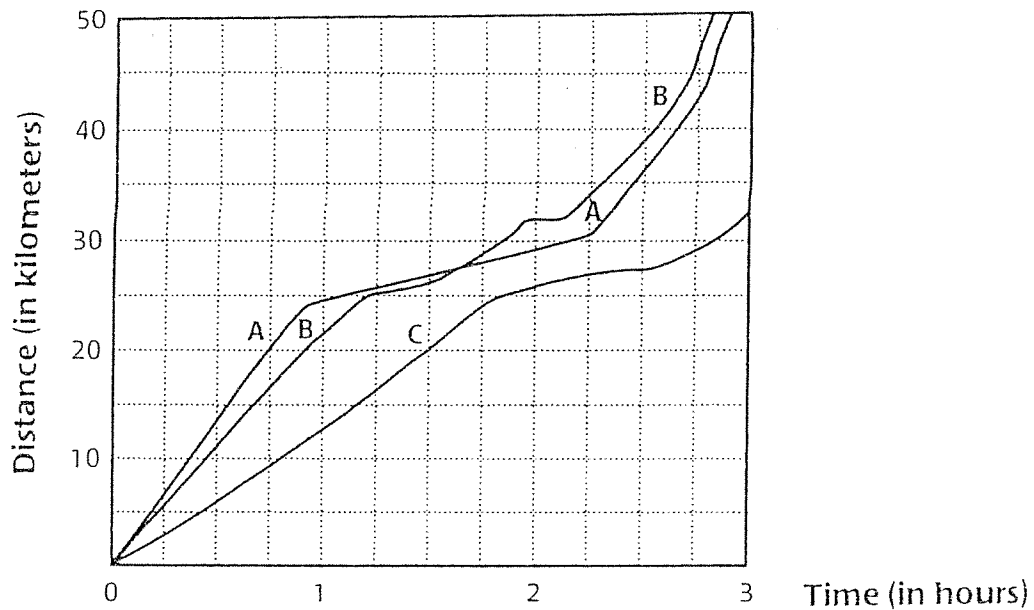


Graphing a Race



- 1) Study the above graph to answer the following questions. Be sure to explain all your answers.
 - a) Who won the race and in how much time?
 - b) Which competitor had the fastest start? How do you know?
 - c) What might explain the graph for cyclist B at two hours into the race?
 - d) There is a very steep hill in this course. How many kilometers into the race do the riders hit the hill? How do you know?
 - e) What do you think competitors C's final time was?
- 2) Write about some aspects of the race that were not included in question 1.

INTERMEDIATE ALGEBRA - INTRODUCTION TO FUNCTIONS

HW #1

1. WHAT IS THE DIFFERENCE BETWEEN A RELATION AND FUNCTION?

2. DETERMINE WHETHER EACH RELATION IS OR IS NOT A FUNCTION.

a. $\{(-1, 7), (0, 6), (-2, 2), (5, 6)\}$ b. $\{(-2, 4), (6, 1), (-2, -3), (-7, -8)\}$

c.

x	y
-5	1
-3	2
-3	3
4	4
7	5

d.

x	y
-1	2
-2	3
-3	3
-4	6
-5	-10

