

Math 101 Writing Assignment #3 Due 18 November 2003

Assignment: Write, in complete sentences, a solution to Section 3.10, Exercise 17:

At noon, ship A is 100 km west of ship B. Ship A is sailing south at 35 km/h and ship B is sailing north at 25 km/h. How fast is the distance between the ships changing at 4:00 PM?

Your paper will be graded for presentation as well as mathematical correctness.

You'll almost certainly want to draw a diagram to illustrate your solution to this problem. Remember that the variable names you use in the diagram must also be introduced in the text, probably by means of a sentence beginning "Let x be the distance . . ." See Example 2, Example 3, Example 4, and Example 5 of Section 3.10 in Stewart for ideas on how to introduce notation.