Vocabulary/Definitions

◦ Leibnitz's notation

◦ The meaning of dy and dx

◦ How units are useful in interpreting the meaning of a derivative

Understand

1. If $A(t)$ gives the average grade, in percent, on students' quizzes as a function of the day of the week, with $t = 0$ being Monday, what is the units of $A'(2)$? What is the meaning of the statement $A'(2) = -3$?

2. For the same $A(t)$, what are the units of $A^{-1}(75)$? What is the meaning of the statement $A^{-1}(75) = 1$?

3. What are the units of $(A^{-1})'(75)$?