QUIZ 2 - MATH 111

George Voutsadakis

Friday, September 7

YOUR NAME:_____

Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. The following table provides data about a quantity y, measured in y-units, that is varying as a function of time t measured in minutes.

t	0	2	5	8	10	15
y	38.33	25	17.5	14.09	12.69	10.56

(a) Create a table showing the average rates of change of y per minute over the various time intervals formed by the data points in the given table.

(b) Estimate $y(12)$ showing all your work.

(c) Describe in words (succinctly but precisely) how y varies as a function of time. (Recall that we need to exhibit two important features of the variation.)