

Mathematics 122

Quiz #8

Name: _____

Some values of a function $C = C(q)$ are given in the following table:

q	1	3	5	7
C	15	13	10	6

(1) Is this a linear function? Explain your answer.

(2) What is the average rate of change of C between $q = 1$ and $q = 5$.

(3) Estimate $C'(5)$

$C'(5) \approx$ _____