

MTH 124.019 Quiz 2
Monday 25 January 2010

Name:

Show *all* your work. Points will be deducted for incomplete work. Write your answer in the box provided

The following data are from the function $g(t)$:

t	0	1	2	3
$g(t)$	20	10	5	2.5

1. Is the function $g(t)$ exponential? Give computations to support your answer.

2. Write the function $g(t)$ in the form P_0a^t .

3. What is the base of the function $g(t)$?

4. Write the function $g(t)$ in the form P_0e^{kt} .

5. What is the continuous rate of the function $g(t)$?