Mathematics 122 Quiz #11   Name: _____

A function $f(t)$ has values given by the table:

t	.5	1.0	1.5	2.0	2.5
$f(t)$	-1.25	-2.0	-2.25	-2.0	-1.25

1. Fill in the following table for the values of the derivative.

t	.75	1.25	1.75	2.25
$f'(t)$				

2. Make a graph for the derivative showing the axis.

3. Estimate $f''(1.0)$ and **write a sentence or two explaining how you got your estimate.**

$$f''(1.0) = \underline{\hspace{3cm}}$$

How did you get this estimate: