Key Name:

You must show your work to get full credit.

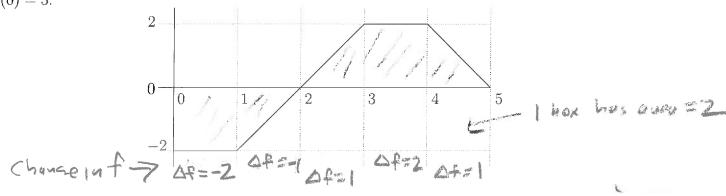
1. State the form of the Fundamental Theorem of Calculus given in the homework. (Recall this involves both a sentence and a formula.)

The change of a function F hatween x=0 and x=0 is
the integral of the rate function, In equipols FUN - FINI = S FTXINY

2. If $F'(t) = 5(1.2)^t$ and F(3) = 6 find the following: $F(4) = \frac{15.47}{3}$ $F(4.7) = \frac{15.47}{3}$ $F(4.7) = \frac{23.219}{5}$ $F(6) = \frac{40.499}{5}$

$$F(4) = 15.219$$
 $F(4.7) = 23.219$

3. The following gives the graph if a derivative y = f'(x). Fill in the table of values given that f(0) = 3.



x	0	1	2	3	4	5
f(x)	3	1	0	1	3	l
-2 -1 +1 t2 +1						