Name:	Wex	
Tvalife.		

You must show your work to get full credit.

(1) A function satisfies
$$f(20) = 5$$
, and $f'(20) = .3$

(a) Estimate f(20.5)

$$f(20.5) \approx \underline{\qquad 5.15}$$

(b) Estimate
$$f(19.8)$$

$$1((9.8) \approx 6(20) + 1(20) \triangle A$$

$$= 5 + .3(-.2) = 5 - .06 = 4.94$$

(2) A function g is given by the table

 \uparrow (a) Make a table for g'(t).

Estimate g(1.26).

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$$g(1.26) \approx g(1.2) + g'(1.2) \triangle k$$

$$= 5.4 + (2.0)(.06)$$

$$= 5.4 + .12$$

$$= 5.52$$