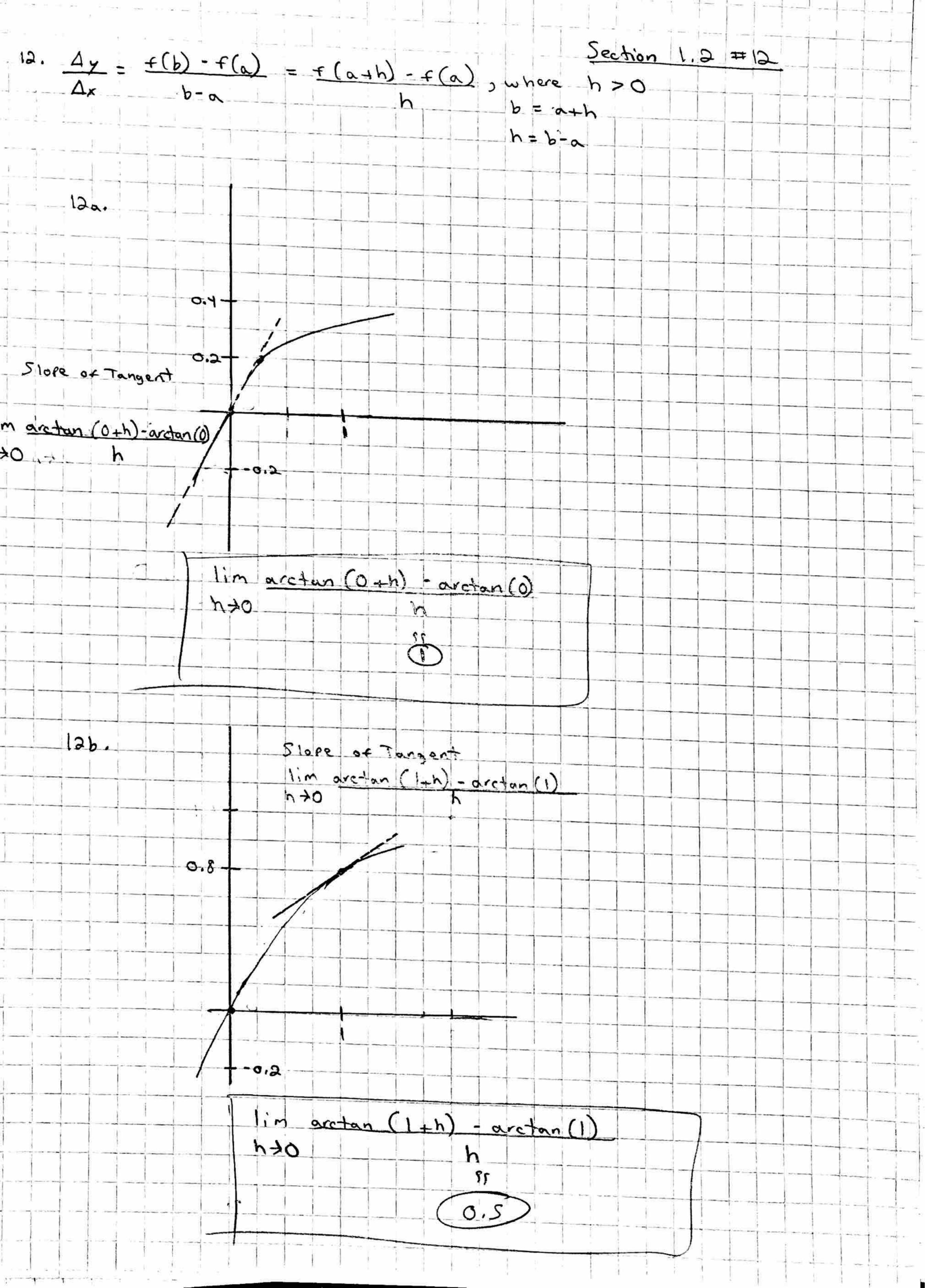
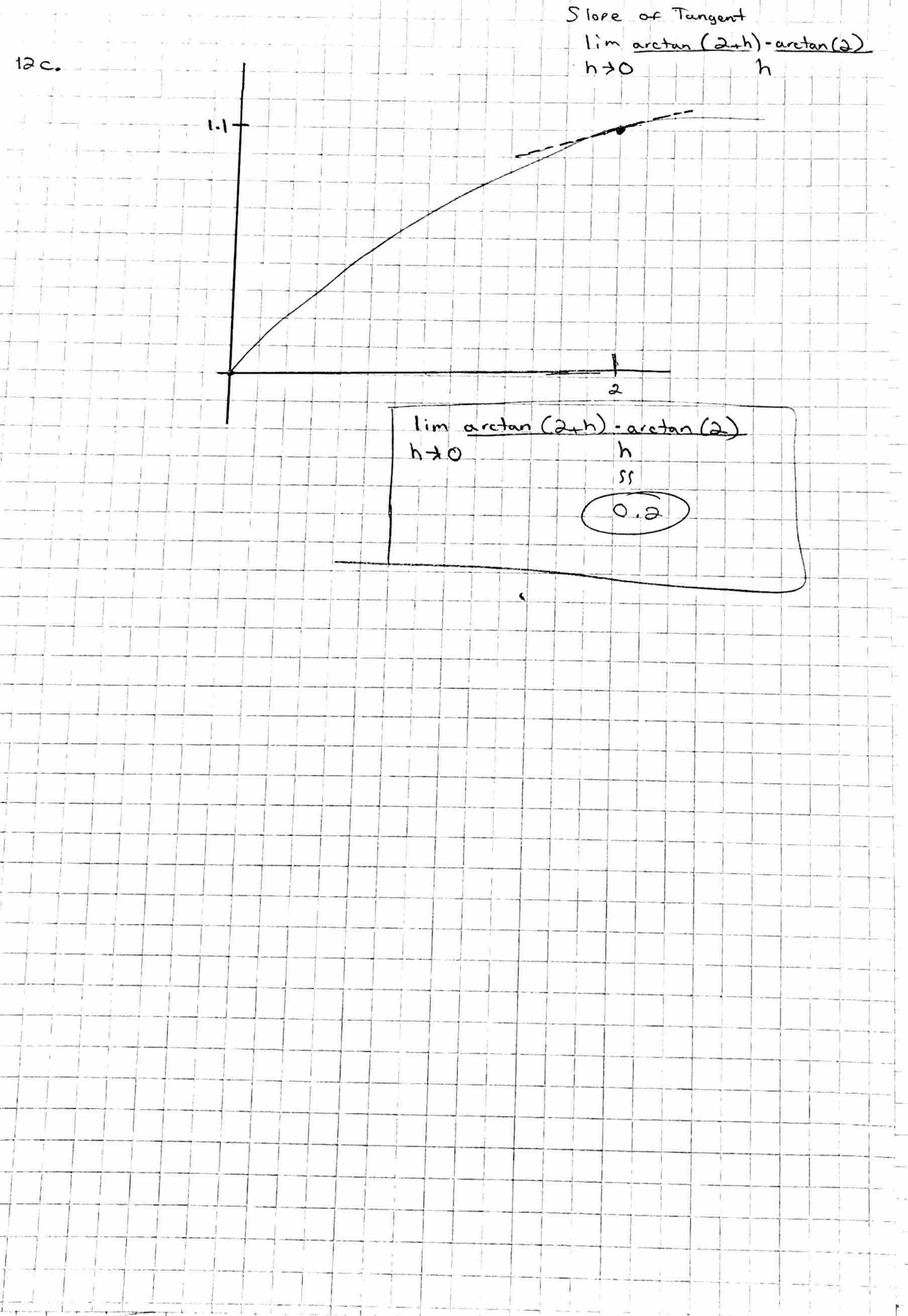


		Section 1.1 #16
16a.	1im Vx-1-2 2 0.25	
166.	$\lim_{x \to 0} \frac{\sin(3x)}{\cos(3x)} = 0.60$	
	x 30 -5x	
19		
1		
1		
1 1		
8 1 3		
1		
3 1 1		
4 4		
The state of the s		





8. [1, 9], a=0, b=9, x=(a+b)/2

x = (1+9)/2 Iteration 1 10/2 x = S

f is negative at x = 5 new interval [1,5]

 $x = \frac{C(1+S)}{2}$   $= \frac{5}{2}$   $= \frac{5}{2}$   $= \frac{3}{2}$ 

f is positive at x = 3 new interval C3,53

 $x = (3 + 5)/2 \qquad \qquad \underline{\text{Theration 3}}$  8/2 x = 4

near x=4, F=0 where Bisection Algorithm converge

22a. Yes, if you draw the line Parallel to the diagonal.

226. Validate f(x)=x for CO, 1) using Intermediate Value Theorem.

