() 1. a) Exc	vestion I		x=10 @y=13.07		
b) Y-Y1 = 4,-Y1			x = 5 @ y = 1.519	8	
	AND DESCRIPTION OF PERSONS ASSESSED.	(2-X1		8	
	10 - 75	1.307 - 117.5		8	
•	10-5	1.307-1.519			
	M= 1	.413×10 Ns/1	m²	9	
	1				
c) xī_	¥1.	(9; -5)	(y;-a,-a,x,-azx;)2	- 0	
0	1.787	27.862		6	
5	1.5 19	30,7626			
10	1.307	33. 1592		0	
2.0	1.002	36.7648		0	
30	0.7975	39.2866		-0	
<u> 40</u>	0-6259	41.1202		0	
٤	7.6654	208-9554	5x1" = 3540 625) (
n = d					
2 - 5 ~ 2 1 : 5 ~ 2 2 1 5 (5					
元 = 17.			2 1,01 = 2331.004	© ©	
9 - 1.	178 Z× 1	100123	and the second s	0	
		3025	(90) (7.0654)	0	
6	105	100125	3 a, 5 = 3 90.746 }		
105	3025	3540 625	(a ₂) (2331.865)		
3025	100125				
	- 3	15×115-3 ×	- 0.005 x10-3 x2	C	
			(27)	•	
	-3	0 0495 VIO-3	7.5)+ 0.005×10-3(7.5)2		
d) f(7.5)=	d) $f(7.5) = 1.7672 \times 10^{-3} - 0.0495 \times 10^{-3} (7.5) + 0.005 \times 10^{-3} (7.5)^{2}$ = 1.43 × 10 ⁻³ NS /m ²				
= 1.45 × 10 03					
				aja .	
	and the second		The state of the s		
8					

Assignment 7

(Renotion 2)

-legio,
$$E_W = \frac{a}{Ta} + b$$
, $Lagio, Ta + C.Ta + al$

mortion 3)

(Bustion 3)

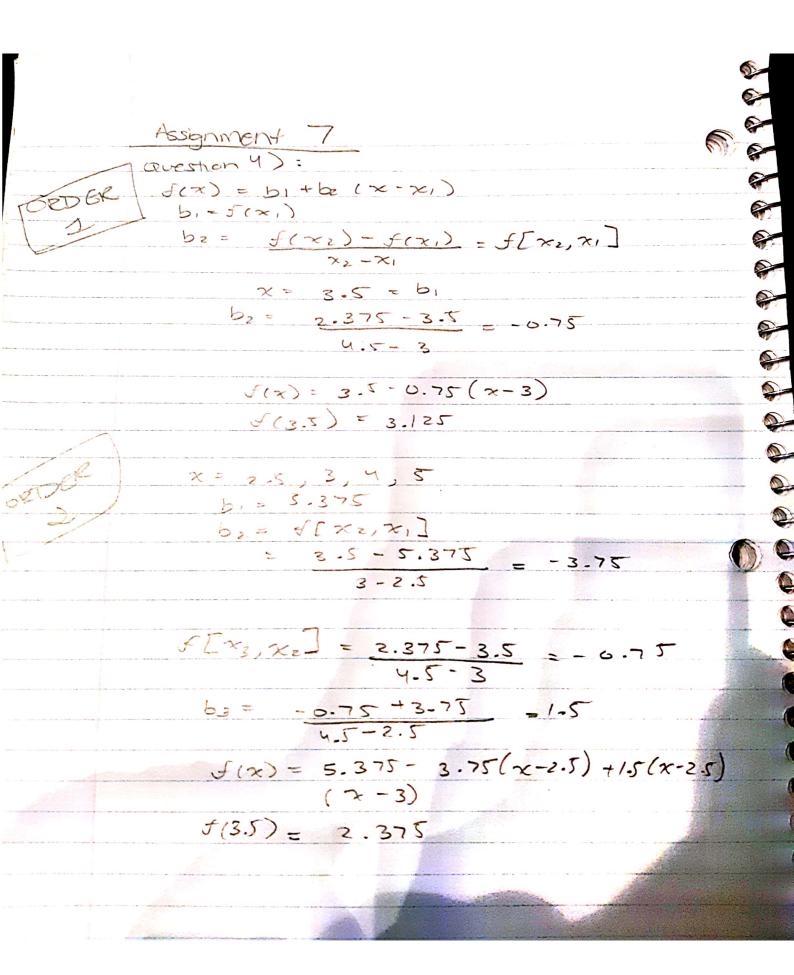
(Bustion 3)

(Constituting at $x = 4$, $y = 3.2$

Extrapolation $\frac{x - x_1}{x_2 - x_1} = \frac{y - y_1}{y_2 - y_1}$

At $x = y$
 $y = 2$
 $y = 2$
 $y = 4$
 $y = 3.50$
 $y = 4.3$
 $y = 3.50$
 $y = 4.3$
 $y = 2.7$
 $y = 4$
 $y = 2$
 $y = 4$
 $y = 3.50$
 y

```
Question 3):
         A+ \times = 6 \quad (y=2 \quad y=4) \quad \text{set } y=2.7
                   T, = 48-15 T2-35-03
2.7-2 _ 7-48.15
        4-2 48-15-35-03
        0-7 (48-15-35.03) = 2 (T-48.15)
               T = 43.558°C
                                               set
≈=4.3
         4+42.7
                     x1=4 ~2=6
                     T1=48.25 T2=43.58
                  J - 48.2255
         4-3-4
                     43.558-48.225
             T = 47.525°C
```



Question 4) = order3 f(x)= b,+b2(x-x,)+b3(x-x,)(x-x,)+ by (x-x1) (x-x2) (x-73) x= 2.5,3,4.5,5 [x2, x1] = -3.75 [x3, x2] = -0.75 Eu, v3] = 3.5 - 2.375 = 2.25 5 - 4.5 [x3,x2,x1] = -0.75 + 3.75 _ 1-5 4.5-2-5 [x4, x3, x2] = 0.75 + 0.75 - 0.75 Third order Difference $[x_{4}, x_{3}, x_{2}, x_{1}] = 0.75 - 1.5 = -0.3$ £ (3.5) = 2.525 ORDER Y f(x)= b, +b=(x-x,) + bs(x-x,)(x-x2) + b4(x-2,) (x-x2)(x-x3) + b5(x-x1)(x-x2)(x-x3) (~ -xu) ~=1,2.5,3,7,5.5 [x2, x,] = -6.75 [x3, x2, x1] = 1.5 [x3, x2]. -3.75 [24, 23, 22] - 1.5 [x4,x3] = -0.75=> [X5, x4, x5] = 0.21 [x5, xu] = 2.25 [x4, x3, x2, x1]= () =) [25, 24, 13, 21, 21 [x5 , x4, x3 , x2] = -0-3 = -0.075 J(4) = 2.328125 .. 2.328