Subject 2010/482. GM. Refahrlow Slam.

from above, we got, $a_0 = 1, a_1 = 1.3702$

therefore, the linear polynomial P, (x) is =1+1.37022

 $P_{1}(0.75) = 1 + (1.3702 \times 0.75)$ = 2.02765

(a) $f(x) = e^{x}$, e^{x} ,

JAK (32, 32)

the error should be, therefore, (f(x)-P,(x)) ---= [2.11700 - 2.02765] = 0.08935 (4) To reduce the error in the previous part, we need to include more nodes to get à higher degree papproximating an looly nominal. If the 6 dimension of the four function reaches 2, then ever function more accurate or it-will more accurate idose to 0