1)

F(x) = 1,1x^4 − 2,2x^3 + 0,7x^2 − 2x + 2

F´(x) = 4,4x^3 − 6,6x^3 + 1,4x − 2 + 0

F´(x) = 4,4(1,25)^3 − 6,6(1,25)^3 + 1,4(1,25) − 2 + 0

F´(1,25) =0,098438

F(x) = e [-0,0983438 - 0,0983438, -0,0983438 + 0,0983438]

F(x) = e [-2,067188,-1,870312]

2)

f(x)= $cos(x)$ln (x)

f´(x)= cos (x)/x− $sen(x)$ln (x)

f ($\overline{x}$)= π/3= 0,36963238= Valor aproximado

Δf($\overline{x}$) =(cosπ/3)/(π/3)− sen(π/3)∗ ln (2 (π/3)) ∗ 0,005 = −8,137862419x10−**4** = Valor aproximado

f(x) E [(0,36963238) -(-8,137862419x10^-4)]= [(0,36963238)+(-8,137862419x10^-4)]=

f(x)[0,3704461662 , 0,36881859380]