1er Punto:

$$\Delta f(1{,}5) = |5x^3 - 3x^2 + 3x - 2| * 0{,}05$$

$$\Delta f(1{,}5) = 0{,}63125$$

$$f(x) = [7{,}828125 - 0{,}63125, \quad 7{,}828125 + 0{,}63125]$$

$$f(x) = [719875\ , 8{,}459375]$$

2do Punto:

$$\Delta f\left(\frac{\pi}{4}\right) = \left| -sen\left(\frac{\pi}{4}\right) \ln\left(2\left(\frac{\pi}{4}\right) + \frac{\cos\left(\frac{\pi}{4}\right)}{\frac{\pi}{4}}\right.\right. * 0{,}005$$

$$\Delta f\left(\frac{\pi}{4}\right) = 2{,}90495$$

$$f(x) = [0{,}31931 - 2{,}90495, \quad 0{,}31931 + 2{,}90495]$$

$$f(x) = [-2{,}5864\ , 3{,}22426]$$