

1.

$$f(x) = 1.2x^4 - 2.1x^3 + 0.8x^2 - 3x + 5$$

$$f'(x) = 4.8x^3 - 6.3x^2 + 1.6x - 3$$

$$f'(x) \text{ en } x = 1.3$$

$$f'(1.3) \approx -8.603$$

$$\Delta f = |-8.603| \times 0.05$$

$$\Delta f \approx 0.43015$$

2. $f(x) = \cos(x) - \ln(2x)$

$$f'(x) = -\sin(x) - \ln(2x) + \frac{\cos(x)}{x}$$

$$f'(x) \text{ en } x = \frac{\pi}{4}$$

$$f'\left(\frac{\pi}{4}\right) \approx 0.131$$

$$\Delta f = |0.131| \times 0.005$$

$$\Delta f \approx 0.000655$$

Date: ___/___/___