

Taller 24

$$f(x) = -17,6 + 44,883x - 39,548x^2 + 17,091x^3 - 3,833x^4 + 0,425x^5 - 0,018x^6$$

$$f(4,25) = -17,6 + 44,883(4,25) - 39,548(4,25)^2 + 17,091(4,25)^3 - 3,833(4,25)^4 + 0,425(4,25)^5 - 0,018(4,25)^6 = 9,27$$

$$f'(x) = 44,883 - 79,096x + 51,273x^2 - 15,332x^3 + 2,125x^4 - 0,108x^5$$

$$f''(x) = -79,096 + 102,546x - 45,99x^2 + 8,5x^3 - 0,54x^4$$

$$f'''(x) = 102,546 - 91,98x + 25,5x^2 - 2,16x^3$$