

(3x2 – 2x – 1) \* (1 + 2x + 3x2 – 4x3) – (x3 – x2 – x – 1) \* (2 + 6x - 12x2)

f’(x) = ----------------- ---------------------------------------------------------------------

(1 + 2x + 3x2 – 4x3)2

-1 - (-2)

f’(0) = ---------- = 1

12