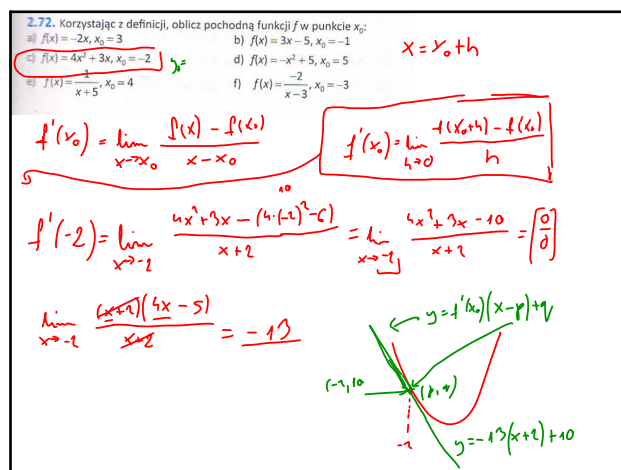




[illegible]

$$\begin{aligned} \text{b) } f(x) &= \frac{(4x^2 - 5x)^1}{x^2 + x + 2} = \frac{(4x^2 - 5x)^1 \cdot (x^2 + x + 1)^0 - (x^2 + x + 1)^1 \cdot (4x^2 - 5x)^0}{(x^2 + x + 1)^2} \\ &= \frac{(4x^2)^1 - (5x)^1}{(x^2 + x + 1)^2} - \frac{((x^2)^1 + (x)^1 + 1^1)(4x^2 - 5x)^0}{(x^2 + x + 1)^2} \\ &= \frac{(4 \cdot 2x - 5 \cdot 1)(x^2 + x + 1)^0 - (x^2 + x + 1)(4x^2 - 5x)^0}{(x^2 + x + 1)^2} \end{aligned}$$