

3.

	x	y
	1	3,2
	2	3
x ₀	3	2,5
x ₁	4	2,2
x ₂	5	1,7
	6	1,3

$$f_2(x) = \frac{(x-4)(x-5)}{(3-4)(3-5)} \cdot (2,5) + \frac{(x-3)(x-5)}{(4-3)(4-5)} \cdot (2,2) + \frac{(x-3)(x-4)}{(5-3)(5-4)} \cdot (1,7)$$

$$f_2(x) = 1,25x^2 - 11,25x + 25 - 2,2x^2 + 17,6x - 33 + 0,85x^2 - 5,9x + 10,2$$

$$f_2(x) = -0,1(3,25)^2 + 22,9(3,25) + 22$$

$$f_2(x) = 95.3687$$

$$f_1(x) = \frac{x-4}{3-4} \cdot (2,5) + \frac{x-3}{4-3} \cdot 2,2$$

$$f_1(x) = 2,5x + 2,2x - 10 - 6,6$$

$$f_1(x) = 4,7(3,25) - 16,6$$

$$\boxed{f_1(x) = -1,325}$$