

Taller 22

• Grado 1

(2,5)

$$F_1(x) = \frac{x-3}{2-3} * 2 + \frac{x-2}{3-2} * 4,2 = 2,2x - 2,4$$

$$F_1(x) = 2,2x - 2,4 \rightarrow F(2,5) = 2,2(2,5) - 2,4 = \underline{3,1}$$

• Grado 2

$$F_2(x) = \frac{(x-1)(x-2)}{(0-1)(0-2)} * 1 + \frac{(x-0)(x-2)}{(1-0)(1-2)} * 0,2 + \frac{(x-0)(x-1)}{(2-0)(2-1)} * 2$$

$$F_2(x) = 1,3x^2 - 2,1x + 1 \rightarrow F(2,5) = 1,3(2,5)^2 - 2,1(2,5) + 1 = \underline{3,875}$$

• Grado 3

$$F_3(x) = \frac{(2,5-1)(2,5-2)(2,5-3)}{(0-1)(0-2)(0-3)} * 1 + \frac{(2,5-0)(2,5-2)(2,5-3)}{(1-0)(1-2)(1-3)} * 0,2 +$$

$$\frac{(2,5-0)(2,5-1)(2,5-3)}{(2-0)(2-1)(2-3)} * 2 + \frac{(2,5-0)(2,5-1)(2,5-2)}{(3-0)(3-1)(3-2)} * 4,2$$

$$F_3(x) = 0,0625 + (-0,0625) + 1,875 + 1,3125$$

$$F_3(x) = \underline{3,1875}$$