

MINI-TESTE 2:

$$\text{SEJA } F(x,y) = a + b(x-2) + c(x-2)^2 + d(x-2)^3$$

$$+ e(y-3) + f(x-2)(y-3) + g(x-2)^2(y-3) + h(x-2)^3(y-3)$$

$$+ i(y-3)^2 + j(x-2)(y-3)^2 + k(x-2)^2(y-3)^2 + l(x-2)^3(y-3)^2$$

$$+ m(y-3)^3 + n(x-2)(y-3)^3 + o(x-2)^2(y-3)^3 + p(x-2)^3(y-3)^3.$$

$$\text{CALCULE: } F(2,3), F_x(2,3), F_{xx}(2,3),$$

$$F_y(2,3), F_{xy}(2,3), F_{xxy}(2,3),$$

$$F_{yy}(2,3), F_{xyy}(2,3), F_{xxyy}(2,3).$$