

Answer on Question #52225 - Math - Multivariable Calculus

$$f(x, y) = x^3 - 2 * y^2, \quad \text{find } f(-2; -1)$$

Solution

$$f(-2; -1) = f(x, y)|_{x=-2, y=-1} = (x^3 - 2 * y^2)|_{x=-2, y=-1} = (-2)^3 - 2 * (-1)^2 = -8 - 2 = -10.$$

Answer: - 10.