f(x)= $3x_0^3 - 2x_0x_1^2 + 4x_1 - 8$ what are the partial derivatives of f(x) with respect to x_0 and x_1.

f(x_0) = $3 * 3x_0^2 - 2x_1^2 + 0 - 0$

f(x_0) = $9x_0^2 - 2x_1^2$

f(x_1) = $0 - 2x_0 2x_1 + 4$

f(x_1) = $4x_0x_1 + 4$