- 1) Find the equation of the tangent plane to the graph of the function  $f(x, y) = (x^3 + \sin y) / (y^2 + 1)$  at the point (2, 0, 8).
- 2) Let  $g(x, y, z) = x^2 y^3 + z^4$ . Let L be the level surface of g containing the point P(3, 2, 1). Find the equation of the tangent plane to the surface L at the point P.