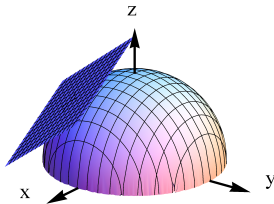


Tangent Planes and Linear Approximation



Question

The figure shows the graph of $f(x, y)$ together with its tangent plane at $(1, -1, \sqrt{2})$. What are the signs of the partial derivatives of f at $(1, -1)$?



- A. $f_x(1, -1) < 0, f_y(1, -1) < 0$
- B. $f_x(1, -1) > 0, f_y(1, -1) < 0$
- C. $f_x(1, -1) < 0, f_y(1, -1) > 0$
- D. $f_x(1, -1) > 0, f_y(1, -1) > 0$