



Question

For the function $f(x, y) = e^x \sin(xy^2)$ which formula is correct?

- A. $f_x = e^x \cos(xy^2)$
- B. $f_x = y^2 e^x \cos(xy^2)$
- C. $f_x = e^x \sin(xy^2) + e^x \cos(xy^2)$
- D. $f_x = e^x \sin(xy^2) + y^2 e^x \cos(xy^2)$
- E. None of the above.