

# Partial Derivatives



## Question

Rank the values of  $f_y(3, 0)$ ,  $f_x(0, 0)$ , and  $f_y(2, 1)$  in ascending order.

- A.  $f_x(0, 0) \leq f_y(2, 1) \leq f_y(3, 0)$
- B.  $f_y(3, 0) \leq f_y(2, 1) \leq f_x(0, 0)$
- C.  $f_x(0, 0) \leq f_y(3, 0) \leq f_y(2, 1)$
- D.  $f_y(3, 0) \leq f_x(0, 0) \leq f_y(2, 1)$

$x \setminus y$	0	1	2	3
0	5	4	3	1
1	3	2	2	4
2	1	1	1	1
3	-1	0	0	-1