## Partial Derivatives

## Question

The figure shows the level curves of a function $f(x, y)$. Rank the values of $f_{x}$ at the points $P, Q, R$.


$$
\begin{aligned}
& \text { A. } f_{x}(Q)<f_{x}(P)<f_{x}(R) \\
& \text { B. } f_{x}(R)<f_{x}(P)<f_{x}(Q) \\
& \text { C. } f_{x}(Q)<f_{x}(R)<f_{x}(P) \\
& \text { D. } f_{x}(P)<f_{x}(Q)<f_{x}(R)
\end{aligned}
$$

