Consider the function

$$
f(x, y)=e^{-9 x} \cos (-3 y)
$$

Find and classify all critical points of the function．If there are more blanks than critical points， leave the remaining entries blank．

$$
\begin{aligned}
& f_{x}=\square \\
& f_{y}=\square \\
& f_{x x}=\square \\
& f_{x y}=\square \\
& f_{y y}=\square
\end{aligned}
$$

The critical point with the smallest $x$－coordinate is $\square$
Classification：？
The critical point with the next smallest $x$－coordinate is $\square$
Classification： $\square$
The critical point with the next smallest $x$－coordinate is $\square$
Classification： $\square$ ？

Consider the function

$$
f(x, y)=e^{-9 x} \cos (-3 y)
$$

Find and classify all critical points of the function．If there are more blanks than critical points， leave the remaining entries blank．

$$
\begin{aligned}
& f_{x}=-9 e^{-9 x} \cos (3 y) \\
& f_{y}=--3 e^{-9 x} \sin (3 y) \\
& f_{x x}=-81 e^{-9 x} \cos (3 y) \\
& f_{x y}=-27 e^{-9 x} \sin (3 y) \\
& f_{y y}=--9 e^{-9 x} \cos (3 y)
\end{aligned}
$$

The critical point with the smallest $x$－coordinate is $\square$ Classification： $\square$
The critical point with the next smallest $x$－coordinate is $\square$
Classification： $\square$
The critical point with the next smallest $x$－coordinate is $\square$
Classification： $\square$

