# Partial Differentiation <br> <br> Functions of more than one variable 

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## Question

Specify the domain of the function.

$$
f(x, y)=\sqrt{4 x^{2}+9 y^{2}-36}
$$

Answer
The domain consists of all points lying on or outside the ellipse $4 x^{2}+9 y^{2}=36$.

