$\begin{array}{c} \textbf{Partial Differentiation} \\ \textbf{\textit{Functions of more than one variable} \end{array}$

Question

Specify the domain of the function.

$$f(x,y) = \frac{xy}{x^2 - y^2}$$

Answer

The domain consists of all points the do not lie on the lines $x = \pm y$.