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

## Question

Specify the domain of the function.

$$f(x,y) = \frac{x+y}{x-y}$$

## Answer

The domain consists of all points on the xy-plane that do not lie on the line x=y.