

Source: [KBhMATH401SubIndex](#)

1 | Limits

Warming up

Here's a function

$$y = \frac{1}{x}.$$

We know that it has

- Domain $D(-\infty, 0)(0, \infty)$
- Range $R(-\infty, 0)(0, \infty)$
- As $x \rightarrow \infty$, $y \rightarrow 0$
- Function is *odd*, that is, $f(-x) = -f(x)$

The Limit Notation

See [KBhMATH401TheLimitNotation](#)

Computing Limits Algebraically

See [KBMATH401ComputingLimits](#)

Types of Discontinuity

See [KBhMATH401Discontinuity](#)