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 $R(-\infty, 0)(0, \infty)$
- $As\ x \to \infty,\ y \to 0$
- Function is *odd*, that is, $f(-x) = -f(x)$

The Limit Notation

See [[KBhMATH401TheLimitNotation]]

Computing Limits Algebraically

See [[KBMATH401ComputingLimits]]

Types of Discontinuity

See [[KBhMATH401Discontinuity]]

Error and Epsilon Delta Proofs