

# Piecewise Functions

*This section is an exploration of the piece-wise function; specifically how and why they are used and their mechanics.*

By the end of this section students should be able to:

- Identify piecewise functions
- Correctly compute values of a piecewise function.
- Determine the implicit domain of a piecewise function.
- Create well defined piecewise functions.
- Identify discontinuities in a piecewise function.

In this section we aim to answer the following questions

- How, and why, do we use piecewise functions?