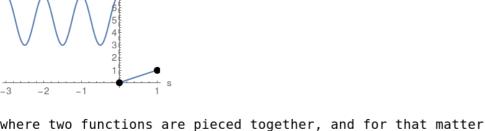
Piecewise Functions

To define piecewise means that the function values and graphs are defined over a particular and generally limited section of the s-axis

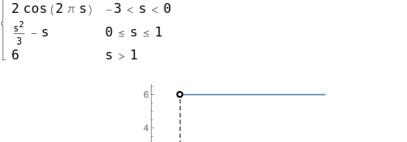


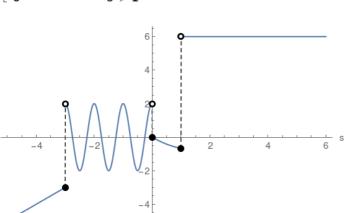
could be pieced differently i.e. swapped:

$$\begin{cases} s & -3 < s < 0 \\ 2\cos(2\pi s) + 5 & 0 \le s \le 1 \end{cases}$$

 $-5\,<\,s\,\leq\,-3$







Solid disk corresponds to inclusion of the point or any of \leqslant \geqslant = operators

Hollow disk corresponds to the exclusion or any of the < > operators