Piecewise Functions

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

 $\int \sin(4\pi h) + 5 \cdot 1 < h < 2$

where two functions are juxtaposed together, and for that matter could be pieced differently i.e. swapped:

 $sin(4\pi h)$

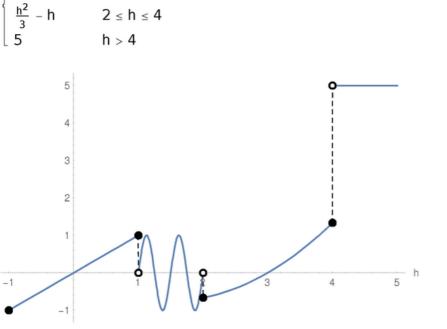
 $-1 \le h \le 1$

1 < h < 2

 $[\sin(4\pi h) + 5 \ 2 \le h \le 4]$

1 < h < 2

More and more complicated functions could be juxtaposed together:



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

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