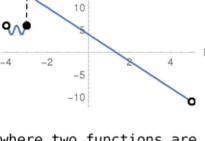
Piecewise Functions

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

section of the h-axis
$$\begin{bmatrix} \cos{(4\pi\,h)} + 5 & -4 < h \le -3 \\ 4 - 3\,h & -3 < h < 5 \end{bmatrix}$$



「4 – 3 h

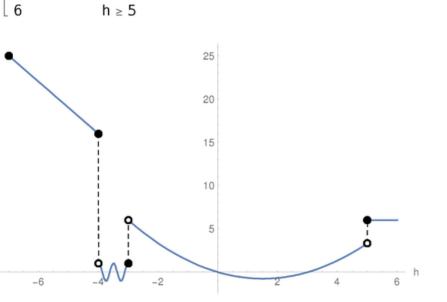
where two functions are stitched together, and for that matter could be pieced differently i.e. swapped:

-3 < h < 5

 $\cos(4\pi h) + 5 - 3 < h < 5$

 $-4 < h \le -3$

More and more complicated functions could be stitched 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