Piecewise Functions

 $2 \sin(2 \pi e) + 5 - 1 < e \le 2$

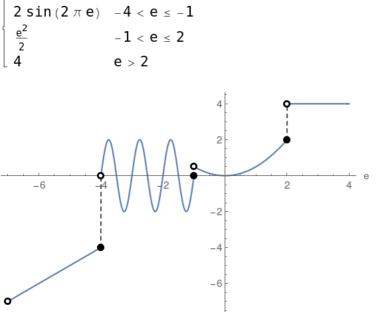
To define piecewise means that the function values and graphs are defined over a particular and generally limited section of the e-axis

$$\begin{cases} 2 \sin(2\pi e) + 5 & -4 < e \le -1 \\ e & -1 < e \le 2 \end{cases}$$

could be pieced differently i.e. swapped: $-4 < e \le -1$

where two functions are stitched together, and for that matter

More and more complicated functions could be stitched together:
$$\begin{bmatrix} e & -7 < e \le -4 \\ 2\sin(2\pi e) & -4 < e \le -1 \end{bmatrix}$$



Solid disk refers to inclusion of the point or any of < > = operators

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