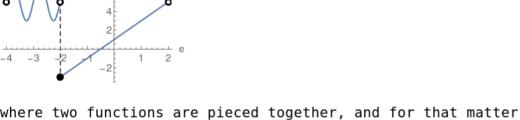
Piecewise Functions

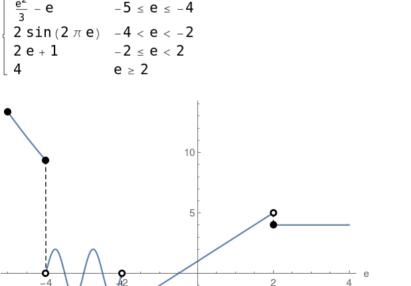
To define piecewise means that the function values and graphs are defined over a particular and generally limited section of the e-axis

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



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

More and more complicated functions could be pieced together:



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

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