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

 $\lceil \sin(5\pi s) + 5 - 6 < s \le -3 \rceil$

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

 $\text{sin}\,(5\,\pi\,s)\quad -3 < s < -2$

 $\frac{s^2}{3}$ – S

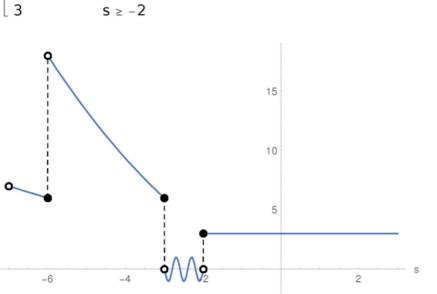
 $-7 < s \le -6$

 $-6 < s \leq -3$

 $\sin(5\pi s) + 5 - 3 < s < -2$

 $-6 < s \le -3$

More and more complicated functions could be juxtaposed together:



Solid disk refers to inclusion of the point or any of « » = operators

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