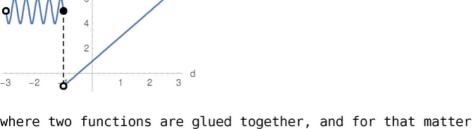
Piecewise Functions

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

$$\begin{cases} \sin(5\pi d) + 5 - 3 < d \le -1 \\ 2d + 1 - 1 < d < 3 \end{cases}$$

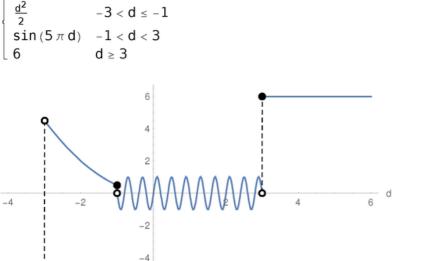


 $[\sin(5\pi d) + 5 - 1 < d < 3]$

could be pieced differently i.e. swapped: $\int 2d+1$

 $-3 < d \le -1$

More and more complicated functions could be glued together:



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

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