Piecewise Functions

 $2\,\leq\,c\,<\,3$

 $-3 \le c < 2$

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

 $\lceil \cos(4\pi c) + 5 - 3 \le c < 2$

2 c + 1

[2c+1]

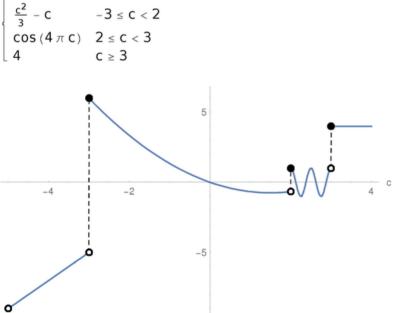
 $\lceil 2c + 1 \rceil$

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

-5 < c < -3

 $\cos (4 \pi c) + 5 \quad 2 \le c < 3$

More and more complicated functions could be pieced together:



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

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