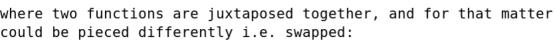
Piecewise Functions

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

$$\begin{bmatrix} 2 \cos{(2 \pi n)} + 5 & -6 \le n \le -1 \\ 4 - 3 n & -1 < n < 1 \end{bmatrix}$$



could be pieced differently i.e. Swapped: $\lceil 4-3 \, n \qquad -6 \le n \le -1$

-7 < n < -6

 $-6 \le n \le -1$

∫ n²

2 cos $(2 \pi n)$

 $2 \cos(2 \pi n) + 5 - 1 < n < 1$

More and more complicated functions could be juxtaposed together:

Solid disk refers to inclusion of the point or any of $\leqslant \geqslant =$ operators

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