Piecewise Functions

Conventions:

<mark>Solid disk</mark> refers to inclusion of the point or any of $\leq$ $\geq$ $=$ operators

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

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Example 1.

$$\begin{cases} -r & 0 \leq r < 2 \\ r & 2 \leq r < 3 \end{cases}$$