Piecewise Functions

Conventions:

corresponds to inclusion of the point or any of $\leqslant \geqslant =$ operators

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corresponds to the exclusion or any of the $<$ $>$ operators

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Example 1.

$$\begin{cases} -x & -1 \leq x < 0 \\ x & 0 \leq x < 3 \end{cases}$$