Piecewise Functions

Conventions:

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

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

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Example 1.

$$\begin{cases} s & -5 < s \leq -2 \\ -s & -2 < s \leq 4 \end{cases}$$