## Piecewise Functions

Conventions:

Example 1.

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

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

 $\left[ \begin{array}{cccc} 4-3\,u & -1 \leq u < 0 \\ 3\,u-4 & 0 \leq u < 5 \end{array} \right.$ 10