

# Precalculus

## Transform inequality to interval

Todor Milev

2019

## Definition

Let  $A$  and  $B$  be sets.

- The union of  $A$  and  $B$  is the set consisting of the elements in  $A$  and the elements in  $B$ , without additional elements.
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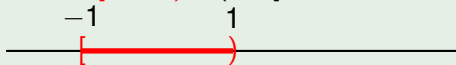
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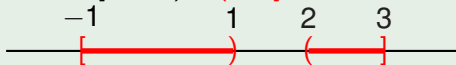
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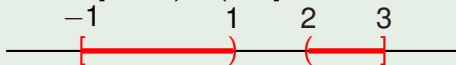
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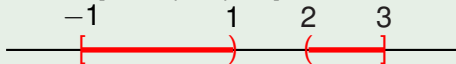
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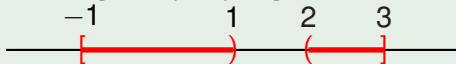
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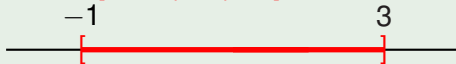
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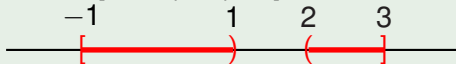
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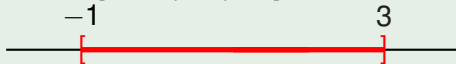
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- To draw the points of a union draw both on top of one another.

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Express the statement  $-1 < x \leq 2$  using the  $\in$  symbol and the interval notation.

Express the statement  $x < 0$  or  $1 \leq x < 2$  using the  $\in$  symbol and the interval notation.

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