## I nequalities and I nterval Notation

> I nequality
> Graph
> $x \geq 2$
> $[2, \infty)$
> $\{x \mid \quad x \geq 2\}$
> Brackets [ ] indicate including the endpoint
> $x>2$
> $(2, \infty)$
> $\{x \mid x>2\}$
> $x \leq 2$
> $(-\infty, 2] \quad\{x \mid x \leq 2\}$
> $x<2$
> $(-\infty, 2) \quad\{x \mid x<2\}$
> $2<x \leq 5$
> $(2,5] \quad\{x \mid 2<x \leq 5\}$

