

Floor and Ceiling Functions

Floor Function

floor: $\mathbb{R} \rightarrow \mathbb{Z}$, where floor(x) = largest integer y such that $y \leq x$

Notation: floor(x) = $\lfloor x \rfloor$

Ceiling Function

ceiling: $\mathbb{R} \rightarrow \mathbb{Z}$, where ceiling(x) = smallest integer y such that $x \leq y$

Notation: ceiling(x) = $\lceil x \rceil$