

Example 1. *Then $1 + 1 = 2$.*

Example 2. *Let $x \in \mathbb{R}$. Then $x^2 \geq 0$.*

Example 3. *Let $a \in \mathbb{R}$. Let $b \in \mathbb{R}$. Then $a + b = b + a$.*

Example 4. *Let $x \in \mathbb{R}$. Then $x^2 \geq 0$.*

Example 5. *Let $x \in \mathbb{R}$. Then $x + \frac{1}{x} - 2 = \frac{x^2+1-2x}{x}$. Then $\frac{x^2+1-2x}{x} = \frac{(x-1)^2}{x}$.
Then $x + \frac{1}{x} - 2 = \frac{(x-1)^2}{x}$. Then $\frac{(x-1)^2}{x} \geq 0$. Then $x + \frac{1}{x} - 2 \geq 0$. Then $x + \frac{1}{x} \geq 2$.*