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* $x + \frac{1}{x} \geq 2$.