

§ Proofs

I'm going to explain to you why if $x-3=5$, then $x=8$. You might already know this, but I'll explain it to you as if you didn't.

Here's my explanation: If $x-3=5$, then we can add 3 to both sides of the equation to get $x=5+3$. In other words, $x=8$. That's the end of my explanation.

{ I'm going to explain to you why ... You might already know this, but I'll explain it to you as if you didn't. } \longrightarrow Claim:

{ Here's my explanation: } \longrightarrow Proof:

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Claim: If $x-3=5$, then $x=8$.

Proof: If $x-3=5$, then we can add 3 to both sides of the equation to get $x=5+3$. In other words, $x=8$. ■