1. Suppose you prove three statements $P, Q$ and $R$. You first prove $P$ and use this to prove $Q$, and from $Q$ you conclude $R$. If you call one of them Theorem, one of them Lemma, and one of them Corollary, which should you call which?
2. True or False: $p \in \mathbb{N}$ is a prime number if and only if $a>1$ and $a<p$ implies $a$ does not divide $p$. (Here $a \in \mathbb{N}$.)
3. True or False: 0 is both even and odd.
