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For questions 1-3, write each statement in mathematical notation.

1) Every dog has a collar which is blue.
2) There is a number for which the product with every real number is zero.
3) If you go swimming in January, then all the polar bears will laugh.

For questions 4-6, write each statement in English.
4) $\forall_{x \in \mathbb{R}} \forall_{y \in \mathbb{Q}} \forall_{z \in \mathbb{Z}}(x y z+2 \in \mathbb{C})$
5) $a \in \mathbb{R} \wedge b \in \mathbb{R} \Rightarrow(a+b i)(a-b i) \in \mathbb{R}$
6) $\forall_{\varepsilon>0} \exists_{N \in \mathbb{N}}\left(n \geq N \Rightarrow\left|a_{n}-L\right|<\varepsilon\right)$

