Prove that

$$\lim_{x \to +\infty} \sin x = 1$$

is wrong ▽ (not true)

We have to state the negation of (II) in the definition ▽ (of limit)

(II) $\forall \varepsilon > 0 \ \exists X(\varepsilon) \geq X_0$

s.t. $x > X(\varepsilon) \Rightarrow |f(x) - L| < \varepsilon$

What is the negation of this statement?

$$\forall \text{ day \& year } \exists \text{ nine-day such that } \exists \text{ It rains that min.}$$

This is what mean people say for Bellingham! But WE know that mean people ARE WRONG

∃ day ∀ rain ∈ day

no rain that rain.

This statement is TRUE ▽

This statement is the logical negation of what mean people say!