1. Let A and B be two subsets of \mathbb{R} , which are both bounded below. Let $u = \inf(A)$ and $v = \inf(B)$. Let $C = \{ab : a \in A, b \in B\}$. Is $\inf(C) = u \cdot v$?

$$\frac{50[ution - No}{A} = \{-3, -2\} \quad B = \{-1, 0\} - are bounded below.
Inf(A) = -3 \quad inf(B) = -1
C = \{a, b \mid a \in A, b \in B\} = \{0, 2, 3\}
Inf(C) = 0
So inf(C) = 0
D$$