For problem 4, a common error was (implicitly or explicitly) assuming that $A$ was an interval. For example, some people claimed that $l + \frac{\xi}{2}$ had to be in $A$, because it was bigger than $l$. Many people also discussed the supremum of $A$, which had no relevance to the problem.

In 5b, some people assumed that $a$ and $b$ were rational, asserting that $a$ plus some irrational number had to be irrational.

In 6a, $P$ need not be of the form $P_n = \{a + i \frac{b+na}{n} \mid 0 \leq i \leq n\}$. 