Quiz 3

1. Prove that the following language is r.e.:
   \[ L = \{ \langle M \rangle : M \text{ is a TM and } M \text{ accepts some string that ends in a ‘0’} \} \]

2. Prove that \( L \) is not decidable.

3. Is it possible to prove that \( \overline{A_{TM}} \leq_m L \)? Explain.