1. True or False?

$$\lim_{x \to \infty} \frac{x^2 + 3x + 2}{e^x - \ln x} = 0.$$

2. What is $\lim\limits_{x \to 0} \dfrac{e^x}{e^x - 1}$?

(A) 0

(B) 1

(C) ∞

(D) None of the above

3.   True or False?

The rectangle of maximum area that can be formed using 4 m of wire is a square.