1 Theoretical

1. Page 129, Problem 1a, c, e.


4. Rewrite the following formulas to avoid loss of significance errors when \( x \) is near 0.

(a) \( \frac{\sqrt{4 + x} - 2}{x} \)

(b) \( \frac{e^x - 1}{x} \)

(c) \( \frac{1 - \cos(x)}{x^2} \)