Assignment 3

Due on 2020-10-18, 23:59:57.

1. Design a circuit to perform the function described.

2. The given circuit performs a basic electronic function. Your task is to identify and describe its purpose.

3. The given circuit is a simple buffer. What is its primary function?

4. The given circuit is a level converter. Explain its purpose.

5. The given circuit is a differentiator. Explain its operation.

6. What is the function of the integrator shown in the diagram? Explain its role in analog signal processing.

7. The given circuit is an operational amplifier. Describe its basic operation and common uses.

8. What is the purpose of the given feedback network in the circuit diagram?