Table 3.10-1 Equivalent Circuits for Series and Parallel Elements


## Problem 1.

The input to this circuit is the voltage of the independent voltage source. The output is the voltage measured by the meter. Show that the output is proportional to the input. Determine the value of the constant of proportionality.

## Problem 2.

The input to this circuit is the voltage of the independent voltage source. The output is the current measured by the meter. Show that the output is proportional to the input. Determine the value of the constant of proportionality.

## Problem 3

Determine the value of the voltage measured by the meter.


