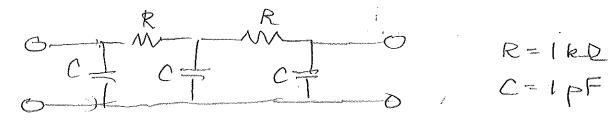
## **ECE 580**

## **HOMEWORK 2**

## Due Oct. 24, 2014

1. Find the <u>Z</u> matrix of the two-port shown below:



- 2. Find a two-port matrix for the following circuits:
- a. Gyrator
- b. Ideal transformer
- c."Physical" transformer.

Use the Laplace (s) variable. Choose the matrix which is the simplest to find!