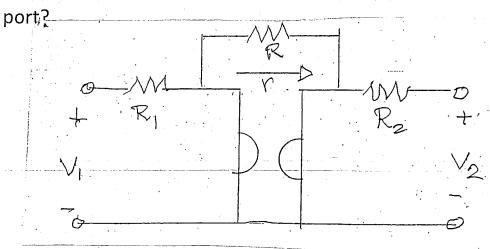
ECE 580

HOMEWORK 3

Due November 27, 2015

1. a. Find the scattering matrix of the circuit shown. Assume that all resistors (including the gyration resistance R) equal 50 Ω .

b. What can you state about the physical properties of the two-



2. Find the sensitivities of the output voltage of the amplifier shown to variations of all circuit parameters (including β).

