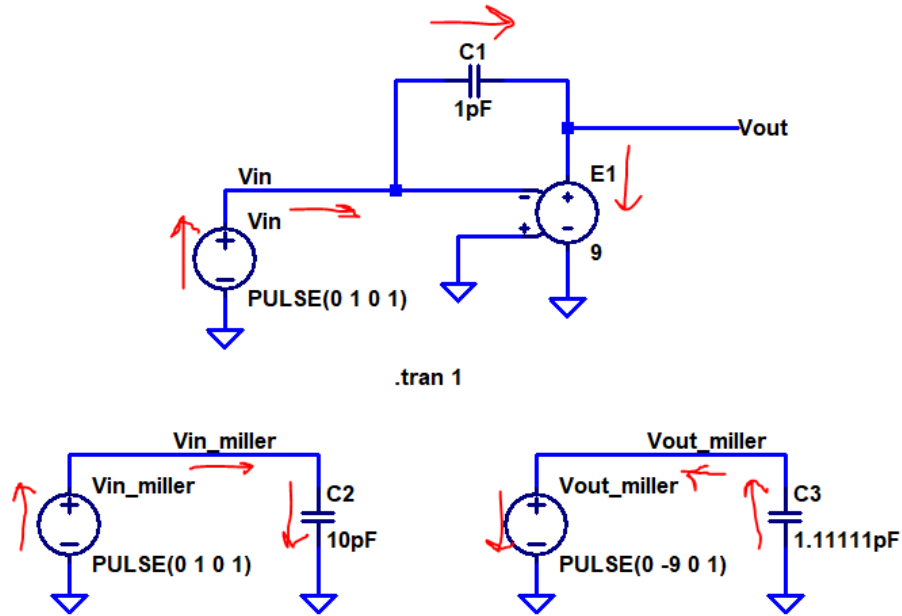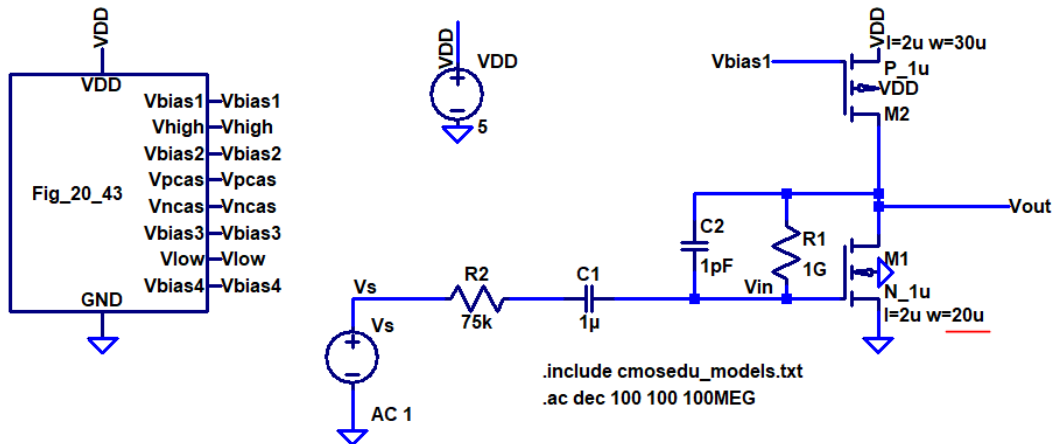H.W. #15 EE 420/ECG 620 Spring 2020

Show your work for credit and put a box around each of your answers (follow the hw guidelines!) Unless otherwise indicated use the book's long-channel (1 um) process.

1. Use the following circuits to explain, in your own words and using LTspice simulations, Miller's theorem. (3 points)

2. Estimate the frequency response of the following amplifier. Verify your hand calculations using LTspice (4 points)

3. Repeat problem 2 if a 10 pF load is connected to Vout. (4 points)