Homework Assignment No. 9

Due on Wednesday, March 19, 2003

1.) Problem 17.1 of the text.

2.) Problem 17.4 of the text.

3.) Problem 17.10 of the text.

4.) Problem 17.16 of the text.

5.) a.) If the $g_m$ of the MOSFET is 0.1mA/V, find the midband gain and the location of all zeros and poles of the circuit shown. b.) If the amplifier above has two zeros at the origin and a pole at −1 rads/sec and −4 rads/sec., what is the lower −3dB frequency in Hz?