Homework Assignment No. 10

Due on Wednesday, March 26, 2003

1.) Problem 17.14 of the text. (V_{DD} = 12V)

2.) Problem 17.17 of the text.

3.) Problem 17.41 of the text.

4.) Problem 17.48 of the text.

5.) A BJT transistor amplifier is shown. If g_m = 100mA/V, $r_{,,}$ = 1kΩ, $C_{,,}$ = 1pF, and $C_{,,}$ = 20pF, find numerical values for the midband gain (MBG) and the upper -3dB frequency (ω_H).