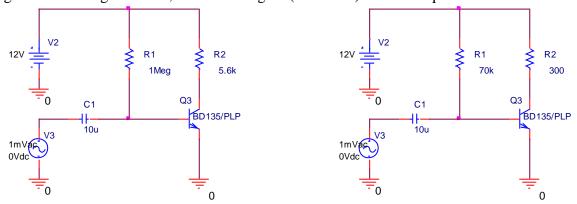
MECE347 Lab3 (Amplifier Frequency Response II)

Introduction:

The objective is to obtain the common emitter amplifier high frequency response, draw the bode plots.

Procedure:

Implement the following common emitter amplifier. Use a voltage divider in the front to get the small signal. Then, measure the gain (Vout/Vin) for the frequencies in the table.



Frequency (Hz)	Gain (Vout/Vin)
1k	
10k	
20k	
30k	
50k	
70k	
100k	
150k	
200k	
500k	
700k	
1M	
2M	

Conclusion:

From your measurements, find the -3dB frequencies, and draw the bode plot for the amplitude gain only. Evaluate C_{je} and C_{jc} . What is the difference between the two circuits?