

EE43/EE100 — PRELAB #7
RC Filters

Name: _____

TA: _____

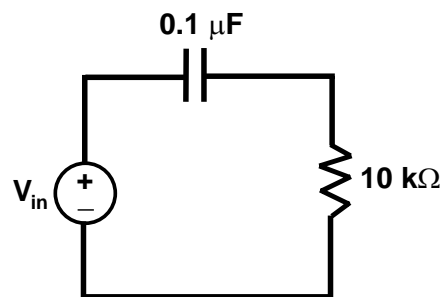
Section: _____

Problem 1:

If the frequency of a sinusoidal signal is 100 Hz, what is the corresponding angular frequency, ω , of that signal (both magnitude and units)?

Problem 2:

What is the 3-dB frequency of the circuit below?



Problem 3:

Derive the equation for the magnitude of the transfer function for the RC filter shown below:

