PHYS222_prelab
RC Time Constants

Name________________________________________ Section_______

1) What is the RC time constant?

2) Given a 1.45 M ohm (mega ohm resistor) and a 50 microfarad capacitor, find the RC time constant. Be sure and use proper units. Show all work.

3) Determine the RC time and twice RC time using the the 1/e and 1/e^2 points from the figure below. See lab write up on how to do. Show all work.