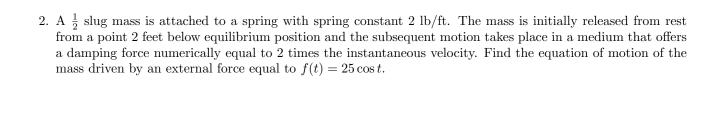
Name:				
Section:				
R·I·T School of Mathematical Sciences				
Homework 6				

MATH 211

1. A simple pendulum rotates around a point, Q. The pendulum rod is l=4.9 meters long and is released from rest at $\theta(0)=\pi/6$ radians. Find the equation of angular motion of the pendulum.



3.	Find the charge and current as functions of time for a circuit with inductance 1H, resistance 100Ω , capacitan 0.0004 F and impressed voltage 25V, if the initial current and charge are both zero.		

4.	A beam of length 10m is embedded at both ends. is uniformly distributed along its length.	Find the deflection of the beam if a load of $w(x) = 12EIx$