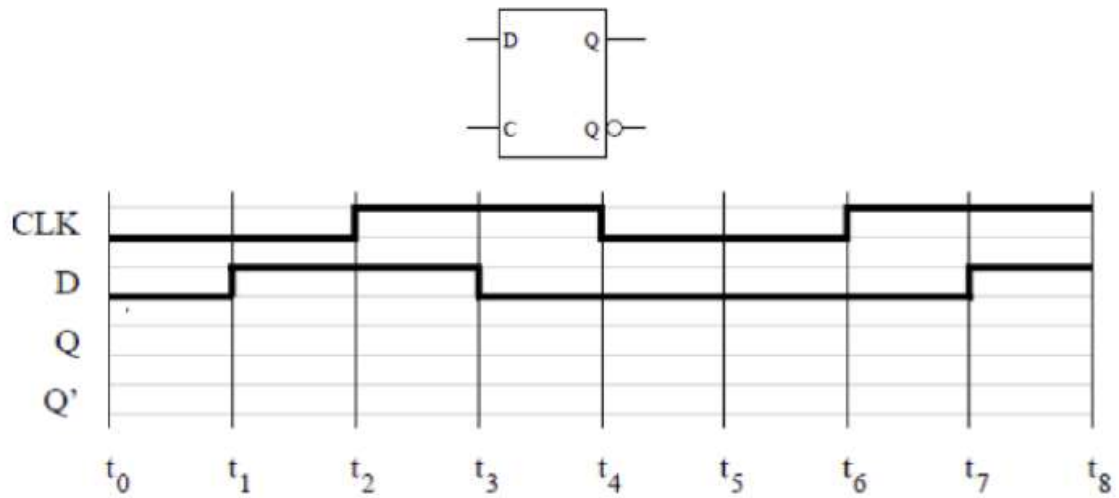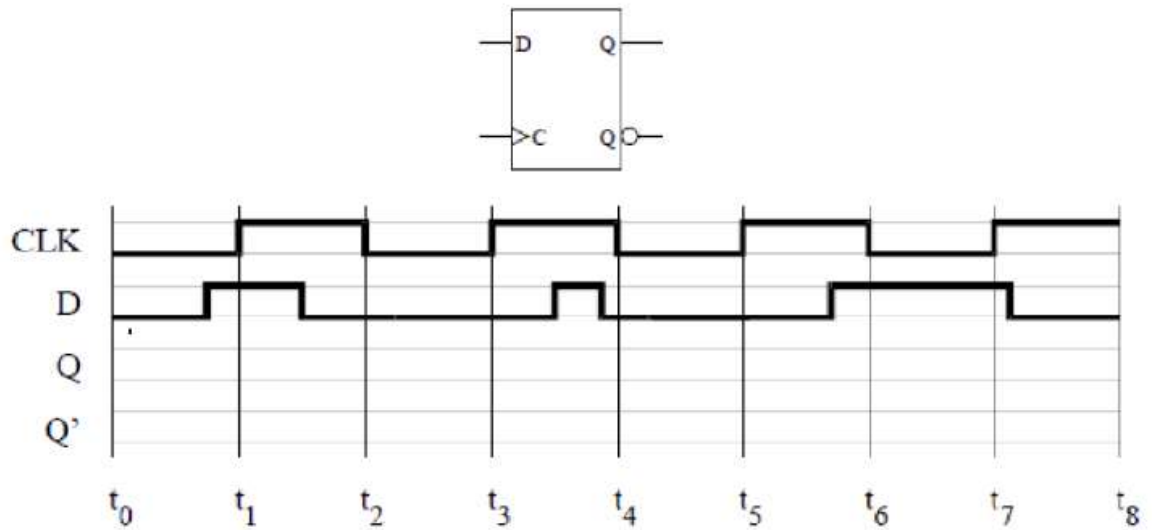# CSE 241 Digital Systems Homework 3 Due: Wednesday, June 29, 2016, 2:00pm

1. Complete the timing diagram for Q and Q' for the following three Flip/Flops (Level triggered D, Positive Edge triggered D and positive edge triggered T)
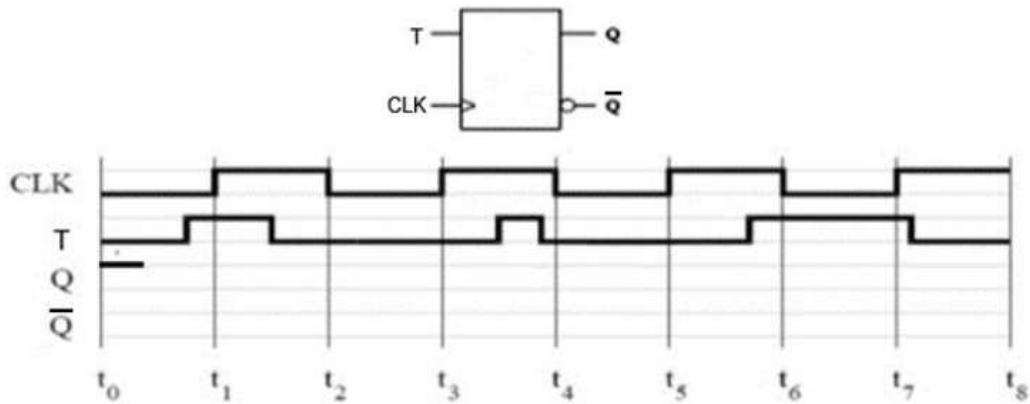
   (a)

   b)

Complete the Timing diagram for Q and Q' below

2. Problem 5.19

3.

For the state machine, draw the K-map for the three state variables, A, B and C as a three variable map, with input x as entered variable. Also draw the K map for the output Z. Simplify all the K maps. Identify if this machine is a Moore or Mealy machine. Explain your answer with the reasoning.