Question 1 Learning the Parameters

(a) Derive the show your ste	ne M-step update rules for Θ and π by setting the partial derivatives of Equation 6 to zero. eps.	Be sure to
(b)		
(c)		
Question 2	Posterior Inference	
(a)		
(b)		
(c)		
(d)		
Question 3	Conceptual Questions	
(a)		
(b)		
(c)		