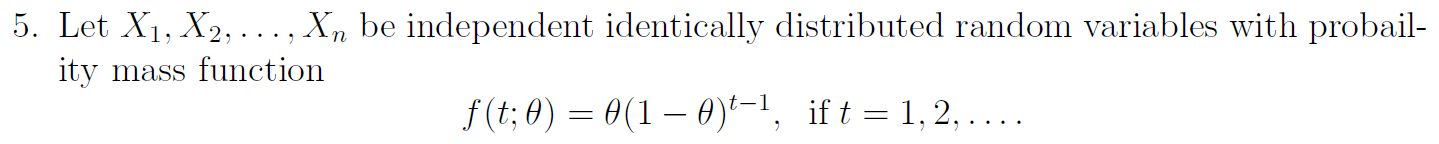
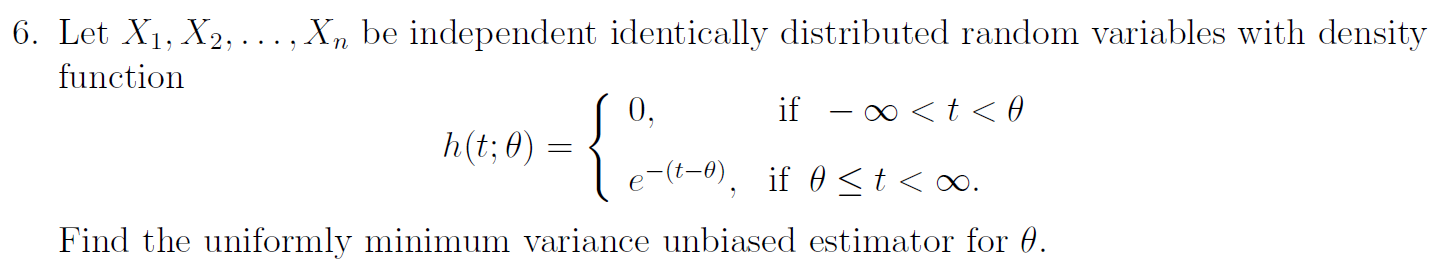


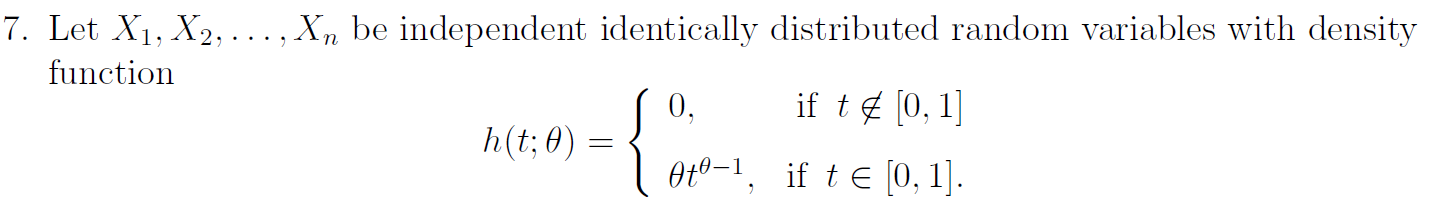
Find the CRLB for θ2.



Find a sufficient statistic for 1/θ and then find a function thereof, which is unbiased for 1/θ.



Explain how you know it is a UMVUE.



Find a sufficient statistic for θ. Is this sufficient for eθ?