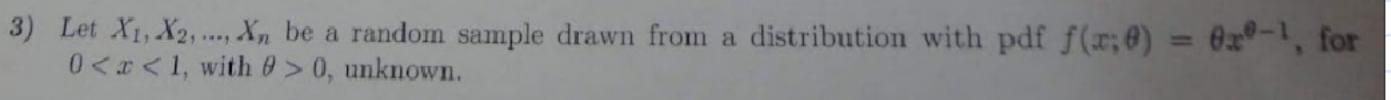


- a) (2 points) Find the method of moments estimator,  $\hat{\theta}$ , for  $\theta$ .
- b) (2 points) Find the maximum likelihood estimator,  $\overline{\theta}$ , for  $\theta$ .

a) 
$$\sqrt{1} = \sqrt{2}$$
 $\sqrt{1} = \sqrt{2}$ 
 $\sqrt{2} = \sqrt{2}$ 
 $\sqrt$ 



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- b) (2 points) Find the maximum likelihood estimator,  $\overline{\theta}$ , for  $\theta$ .

b) 
$$\frac{\partial \mathcal{E}_{nL}(x_{1}...x_{n};\Theta)}{\partial \theta} = 0$$
 $L(x_{1},...,x_{n};\Phi) = \frac{\pi}{2} \int (x_{1},\Phi) dx_{1} dx_{2} dx_{2} dx_{3} d$