7. 
$$G$$
  $f(x) = n^{\alpha-1}e^{-x}$ 

$$\frac{df}{dn} = -n^{\alpha-1}e^{-x} + (\alpha-1)n^{\alpha-2}e^{-x}$$

$$\frac{f(\alpha-1)n}{dx} = \frac{f(\alpha-1)n}{dx}$$

$$\Rightarrow n = \alpha^{-1} \quad f(\alpha-1) = 0$$

$$\Rightarrow n = \alpha^{-1} \quad f(\alpha-1) = 0$$

D'f (m)= 
$$n^{a-1}e^{-x} = e^{(a-1)enx} - x$$
  
=  $e^{(a-1)enx} - x$ 

etris is better linen n° e × because.

of n is repaired begrand e which would take near o values are replaced by un exponential that lakes moderate values.