(a)
$$L(\theta_1, t) = \prod_{i=1}^{n} \frac{1}{20\pi^i} \exp\left(-\frac{\pi}{\theta}\right) t \ge 0$$

(b) $L(\theta_1, t) = \prod_{i=1}^{n} \frac{1}{20\pi^i} \exp\left(-\frac{\pi}{\theta}\right) \exp\left(-\frac{\pi}{\theta}\right) \frac{1}{20\pi^i} \exp\left(-\frac{\pi}{\theta}\right) \exp\left(-\frac{\pi}{\theta}$

(b) E(T)=202, leuce $\Theta = \sqrt{\frac{1}{1}} E(T)$ hory the netwood of aeruent, we obtain Oronent = 12 5 ti which, for this particular clase is 60.828