

[illegible]

2.10b

T: $\log_5 12 = 2 \log_5 2 + \log_5 3$

Prov:

$$P_T = \underbrace{2 \log_5 2 + \log_5 3} = \underbrace{\log_5 2^2 + \log_5 3} =$$
$$\log_5 (2^2 \cdot 3) = \log_5 (12) = L_T$$