a)
$$\frac{T_3}{T_0} = \frac{T_3}{T_7} \cdot \frac{T_7}{T_7} \cdot \frac{T_7}{T_0}$$

To assume $1 + \frac{\gamma-1}{2}M_0^2$
is niet is identropic

COMPOSED OF TEMPERATURE RISE

DUE TO RAM EFFECT + TEMPERATURE

RISE DUE TO WORK ADDITION

IN COMPRESSOR

ANY COMBINATION OF TO & M. SUCH THAT

b) PLUGGING INTO EQUS:

IS INDEPENDENT OF T.

LO MP CHANGES BECAUSE AT CONSTANT MO, U, & AS T. &