a) Isp = 
$$\frac{de}{g} = \frac{1}{g} \left[ Me \sqrt{8RT_c \left( \frac{1}{1 + \frac{1}{2}Me^2} \right)} \right]$$

NEED TO ITERATE TO FIND ME FOR GIVEN AX

$$\frac{Ae}{A^{*}} = \frac{0.01}{0.0006} = 16.67 = \frac{1}{Me} \left[ \frac{1 + \frac{\gamma_{-1}}{2} Me^{2}}{\frac{\gamma_{+1}}{2}} \right]^{\frac{\gamma_{+1}}{2(\gamma_{-1})}} \implies Me = 4.27$$

$$Pe = \frac{Pc}{[1+\frac{x-1}{z}M_e^2]^{-6/4-1}} = 20.0 \text{ kPa}$$