

PH332 - Chapter Six Solutions

$$\text{PM4) (a) } M = - \frac{f_o}{f_e} = - \frac{\text{focal length of objective lens}}{\text{focal length of eyepiece lens}}$$

$$M = - \frac{200\text{mm}}{25\text{mm}} = -8$$

$$\text{(b) } L = f_o + f_e = 200\text{mm} + 25\text{mm} = 225\text{mm}$$