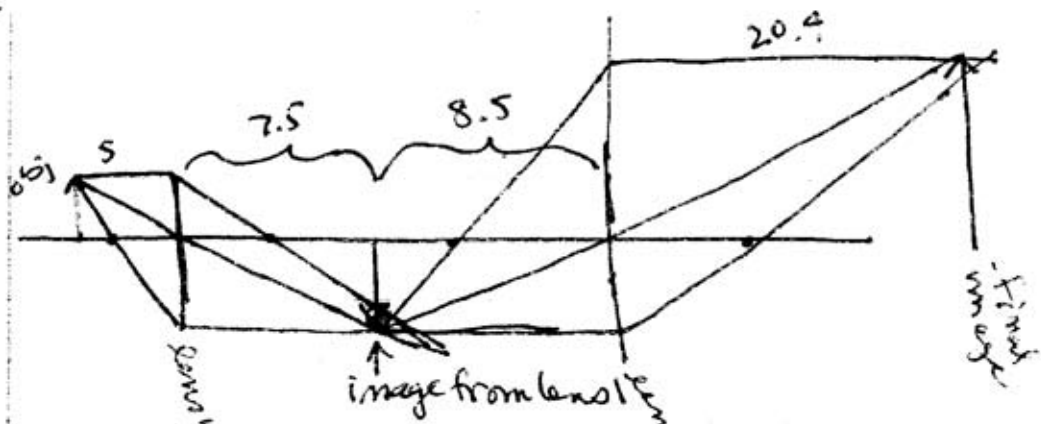


1.



$$\frac{1}{5} + \frac{1}{q} = \frac{1}{3} \quad q = 7.5$$

$$\frac{1}{8.5} + \frac{1}{q} = \frac{1}{6} \quad q = 20.4 \text{ cm to right of lens 2}$$

$$M = \left(\frac{7.5}{5}\right) \left(\frac{20.4}{8.5}\right) = 3.6$$

upright (and real)