

LAB #4: Optical Image formation

- mind your p's and q's - watch signs for q, m
- show all work fully (as usual)
- draw all 3 rays, full page RayTM Diagrams

Theory

$$\frac{1}{p} + \frac{1}{q} = \frac{1}{f}$$

p: object distance
q: image distance
f: focal length

All in cm!

$$m = -\frac{q}{p}$$

OR

$$m = \frac{h'}{h}$$

h' = image size

h = original object size

} add sign as needed!
=>

