Exam 2 Equation Sheet:

$$a\sin(\theta_p) = p\lambda$$

$$d\sin(\theta_m) = m\lambda$$

$$\theta_1 = \frac{1.22\lambda}{D}$$

$$n_1\sin\theta_1 = n_2\sin\theta_2$$

$$\frac{1}{s} + \frac{1}{s'} = \frac{1}{f}$$

$$m = -\frac{s'}{s}$$

$$\frac{1}{f} = (n-1)\left(\frac{1}{R_1} - \frac{1}{R_2}\right)$$

$$M \approx \frac{25cm}{f}$$

$$M \approx -\frac{L}{f_{obj}}\frac{25cm}{f_{eye}}$$

$$M = -\frac{f_{obj}}{f_{eye}}$$