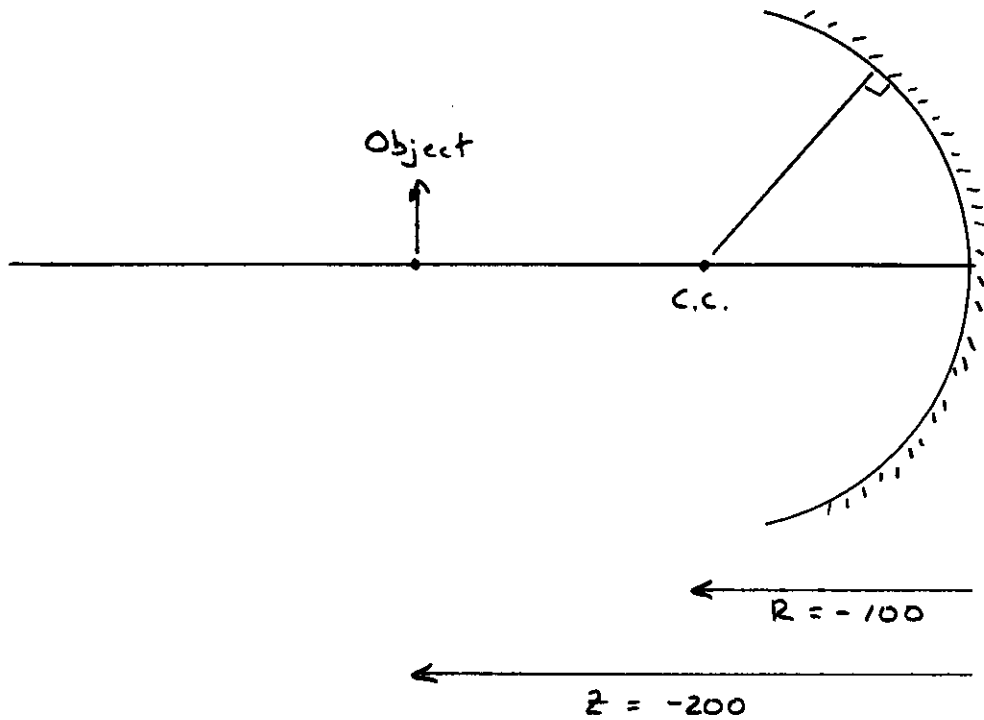


Concave Mirror

$$n = 1$$

$$n' = -1$$



$$\phi = -2nC = -2/12 = 1/50$$

$$\frac{n'}{z'} = \frac{n}{z} + \phi$$

$$\frac{-1}{z'} = \frac{1}{-200} + \frac{1}{50}$$

$$z' = -66.67 \text{ mm}$$

from mirror vertex

$$m = \frac{z'/n'}{z/n} = -\frac{z'}{z}$$

$$m = -\frac{66.67}{200} = -\frac{1}{3}$$

inverted