

Worksheet: Mirrors and Lenses

1. An object 30 cm high is located 80 cm from a concave mirror, focal length 15 cm.
  - a. Where is the image located?
  
  
  
  
  
  - b. How high is it?
  
2. An object 10 cm high is located 5 cm from a concave mirror, focal length 15 cm.
  - c. Where is the image located?
  
  
  
  
  
  - d. How high is it?
  
3. An object 10 cm high is located 40 cm from a convex mirror, focal length -15 cm.
  - e. Where is the image located?
  
  
  
  
  
  - f. How high is it?
  
4. A candle 86cm long is placed upright in front of a concave mirror whose focal length is 10 cm. The distance of the candle from the mirror is 30 cm.
  - a. Find the radius of curvature of the mirror.
  
  
  
  
  
  - b. Find the image distance.