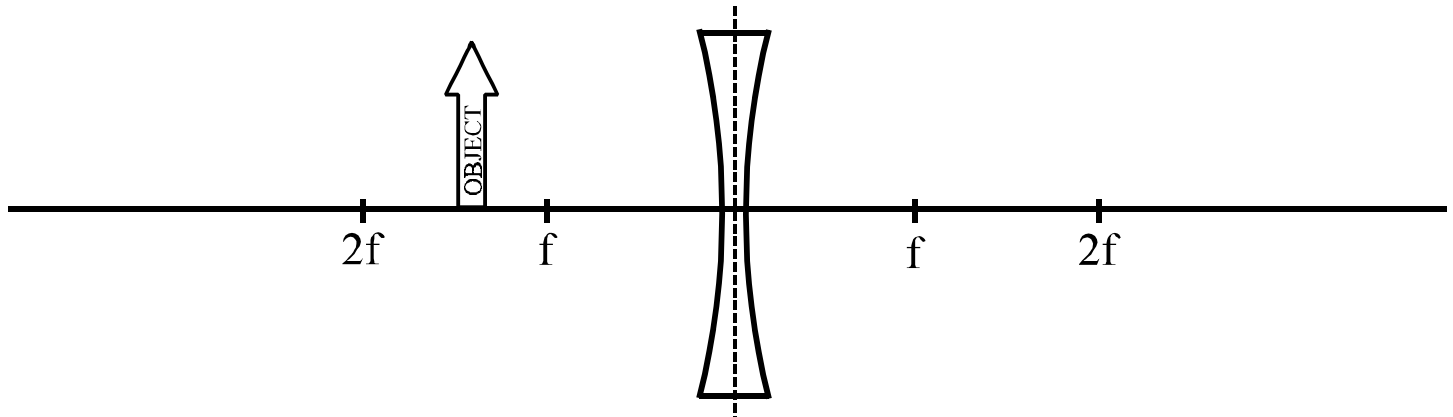


PHYSICS HOMEWORK QUIZ #19.5D

LIGHT REFRACTION

An object, which has a height of 5.2 cm., is placed a distance of 14.0 cm from a concave lens which has a focal length of -10.0 cm. as shown below.

1. Complete the following ray diagram and draw in the image ? [3 pts]



2. Is the image formed above real or virtual ? Explain how you know! [3 pts]

3. How far from the lens will the resulting image be formed ? [3pts]

4. What will be the magnification of this image ? [3 pts]

5. What will be the height of the resulting image ? [3 pts]