

Quiz 26.1C

Lens 1 has a focal length of 33.0 cm. 45.0 cm to the right of lens 1 is lens 2, which has a focal length of -13.6 cm.

A 5.00 cm tall object is placed 59.0 cm in front of lens 1.

- a) What is the location of the final image with respect to lens 2?
- b) What is the height of the final image?
- c) Using the same lens, where must the object be placed in order for the final image distance to be infinity?