

Parameters of convex lens making

Questions

1. Is focal length equal to $R/2$ when R_1 and R_2 are equal?
2. Can focal length be equal to R when R_1 and R_2 are equal?
3. Can a convex lens behave as a converging lens?
4. Can a convex lens behave as a diverging lens?
5. Can image be formed at infinity for finite values of R_1 and R_2 ?

Note :

Questions given above may be visualized and answered using the simulations. Obtaining a mathematical solution is to be always treated as the final answer because such a mathematical solution implies that one is able to understand and apply the concept.

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