## Note-Taking Guide Program 1402 - Part 1

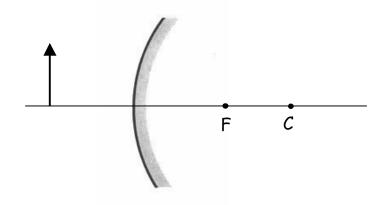
spherical aberration -

\_\_\_\_\_ mirrors correct the problem.

## Convex Mirrors

All images produced by convex mirrors are (*real*, *virtual*). (*erect*, *inverted*), and (*larger*, *smaller*) than the object. Convex mirrors are called \_\_\_\_\_ mirrors since their reflected light rays seem to spread out from behind the mirror.

Use ray diagrams (same rules as concave mirrors) on this diagram.



Mirror Math:

$$\frac{1}{d_i} + \frac{1}{d_o} = \frac{1}{f}$$

$$\frac{h_i}{h_o} = \frac{-d_i}{d_o}$$

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$$\frac{h_i}{h_o} = \frac{-h_i}{h_o}$$

## Note-Taking Guide Program 1402 - Part 1 An 4cm tall object is placed 60 centimeters in front of a concave mirror with Ex: a focal length of 20 cm. Calculate di and hi. Problem Set #1 (a-d) Convex Mirror Example: Locate the image formed by a 4.0 cm tall object places 60. cm in front of a convex mirror with a focal length of 20. cm.

Calculate the height of the image.