

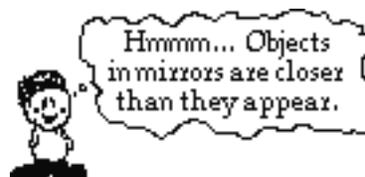
Ray Diagrams for Convex Mirrors

Read from **Lesson 4** of the **Reflection** chapter at **The Physics Classroom**:

<http://www.physicsclassroom.com/Class/refln/u1314b.html>
<http://www.physicsclassroom.com/Class/refln/u1314c.html>

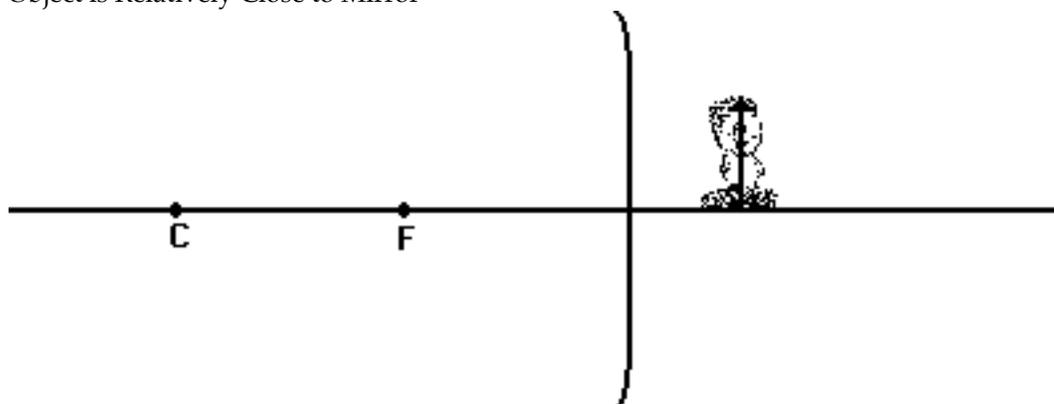
MOP Connection: Reflection and Mirrors: sublevels 8 and 9

For the following mirrors and corresponding object positions, construct ray diagrams. Then practice the **LOST** art of image description. Identify the **L**ocation of the image, **O**rientation (upright or inverted) of the image, the relative **S**ize of the image (larger or smaller than object), and the **T**ype of image (real or virtual).



NOTE: 1) All light rays have arrowheads that indicate the direction of travel of the ray.
 2) Always draw in the image once located (an arrow is a good representation).
 3) Exactness counts. Use a straightedge and be accurate.

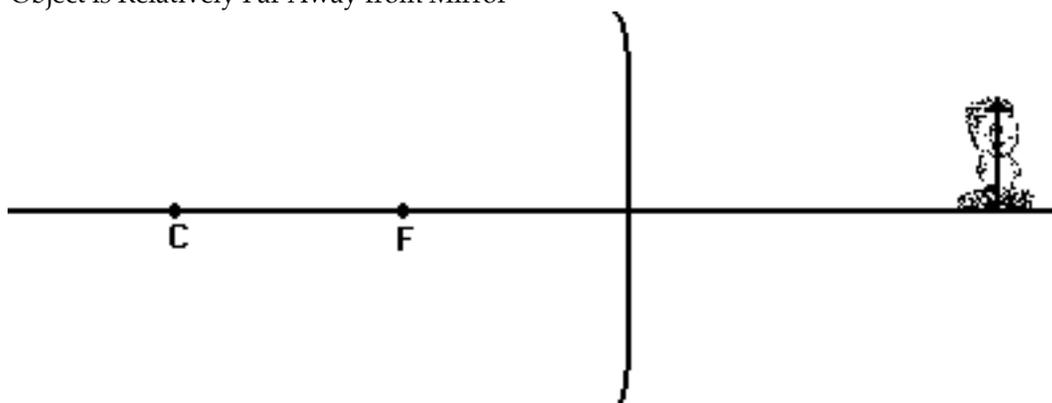
Case 1: Object is Relatively Close to Mirror



Description of Image:

Location: _____
 O: Upright or Inverted S: Magnified or Reduced T: Real or Virtual

Case 2: Object is Relatively Far Away from Mirror



Description of Image:

Location: _____
 O: Upright or Inverted S: Magnified or Reduced T: Real or Virtual