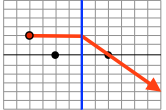


Principal Rays Summary

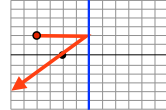
1. A ray parallel to the axis...

Converging Lens

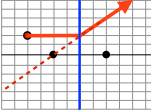


...passes through the focal point.

Converging Mirror

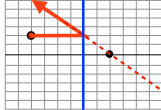


Diverging Lens

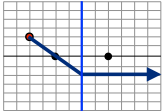


...appears to come from the focal point.

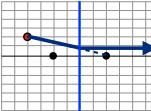
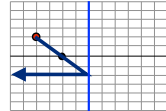
Diverging Mirror



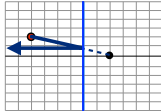
2. A ray that ... comes out parallel



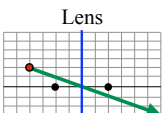
...passes through the focal point...



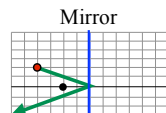
...aims for the focal point...



3. A ray that hits the center...



...passes straight through



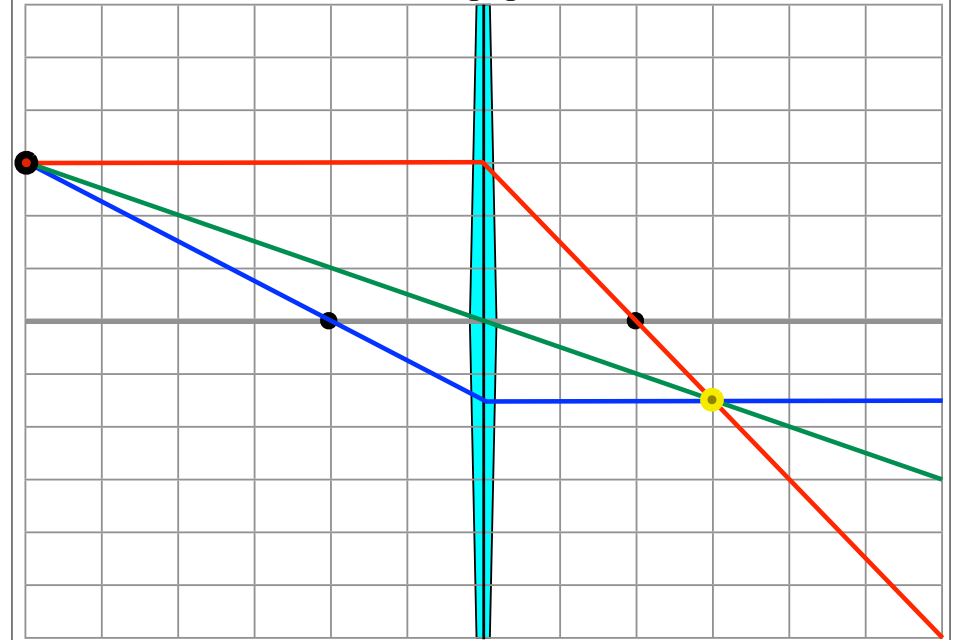
...is reflected with the negative slope

Ray Tracing Exercise

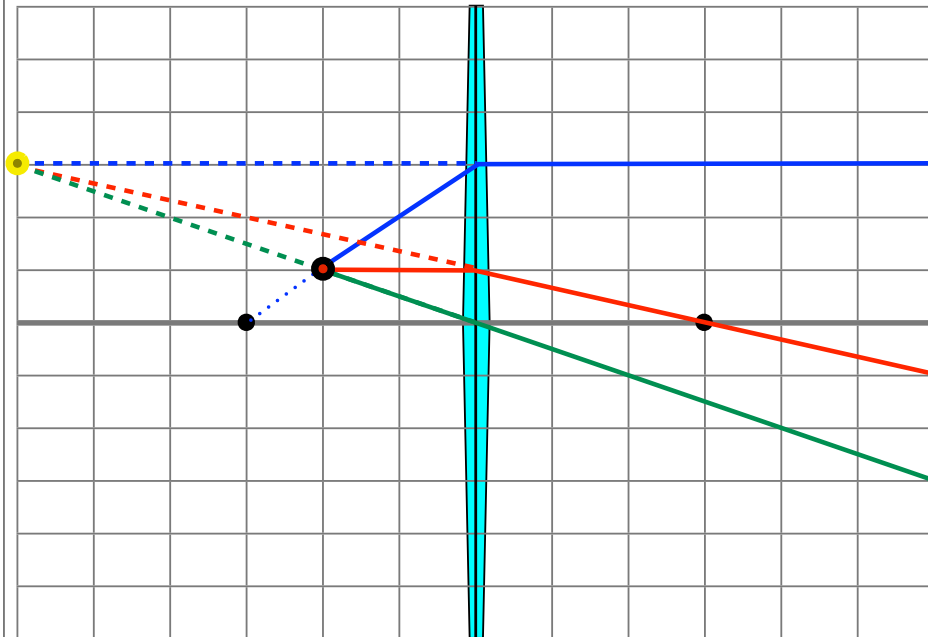
Must be completed and checked by instructor before leaving lab.

Solutions

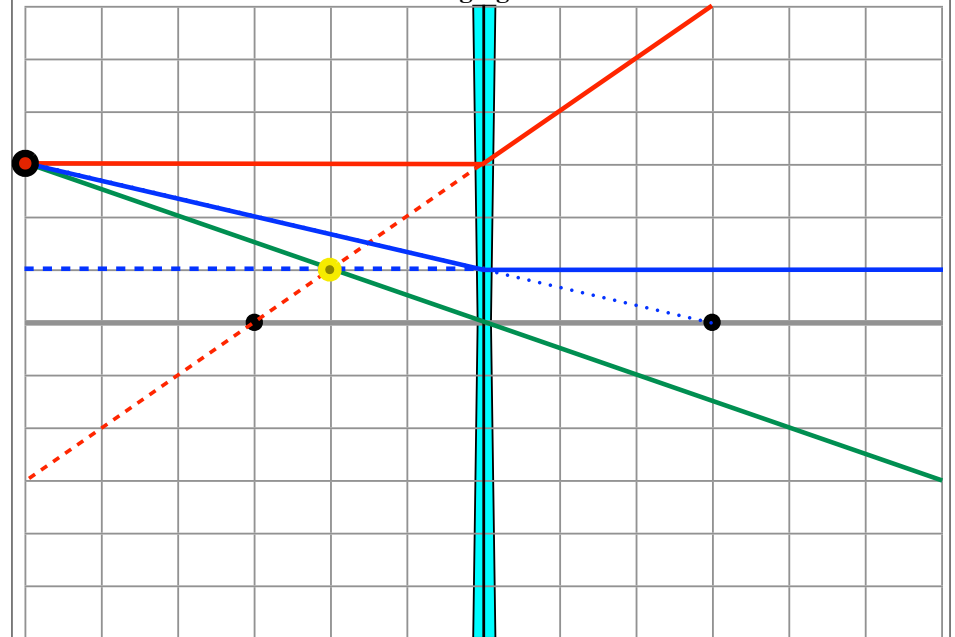
Converging Lens



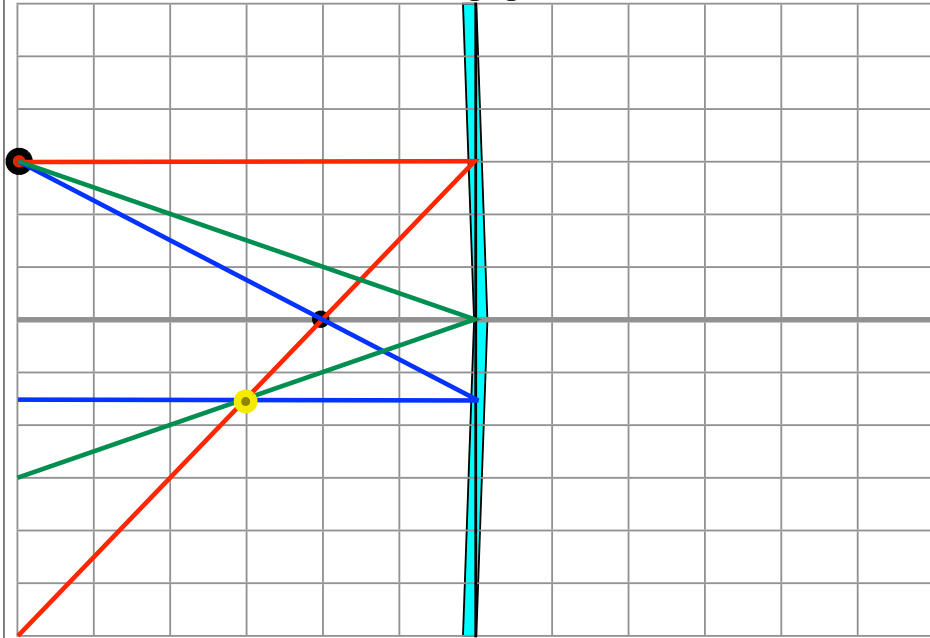
Converging Lens



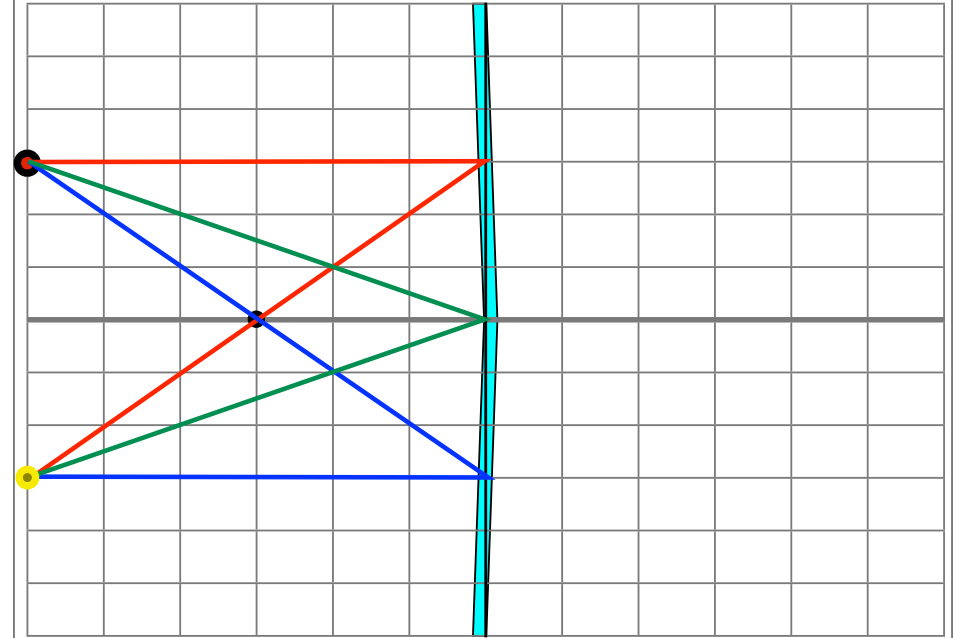
Diverging Lens



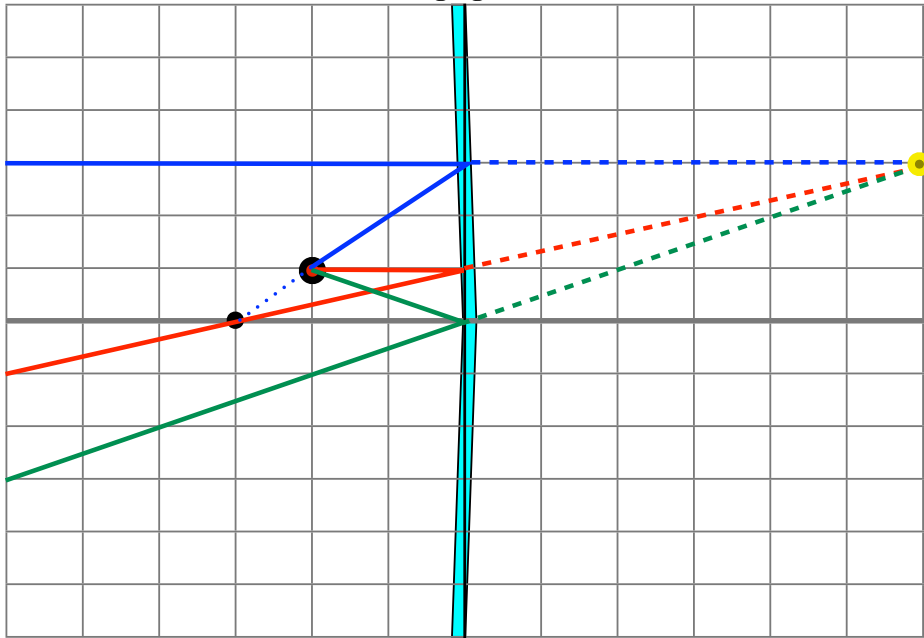
Converging Mirror



Converging Mirror



Converging Mirror



Diverging Mirror

