Lenses

Wednesday, May 19, 2010 11:06 AM

Lenses work oppositely to mirrors. Convex Lens produces the same images as a concave mirror.

Concave lens produces the same images as the convex mirror.

The purpose of lens is to let light through, a mirror has the purpose to bounce light backward. The real world for image in lenses IS THE REAL

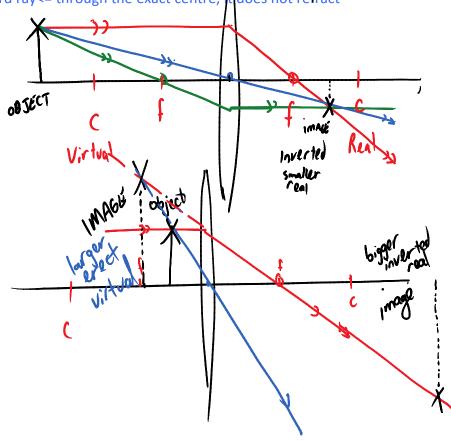
OPPOSITE SIDE OF THE OBJECT.

Ray diagram rules change a bit.

1st ray <= parallel to principal axis, refracts through f (real f for convex lenses, virtual f for concave lens)

2nd ray <= toward f (virtual for convex lens, real for concave lens)

refracts parallel to the PA 3rd ray<= through the exact centre, it does not refract



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