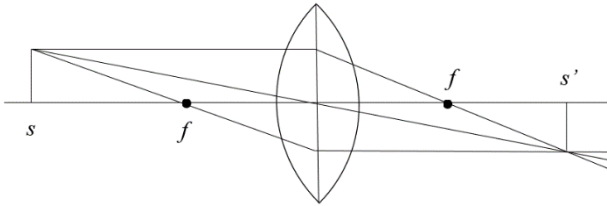


## CONVEX / CONVERGING LENS



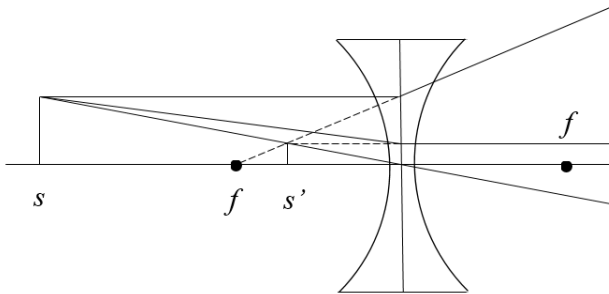
$f$  is +



$s$  is + if on left  
 $s$  is - if on right

$s'$  is + if on right  
 $s'$  is - if on left

## CONCAVE / DIVERGING LENS



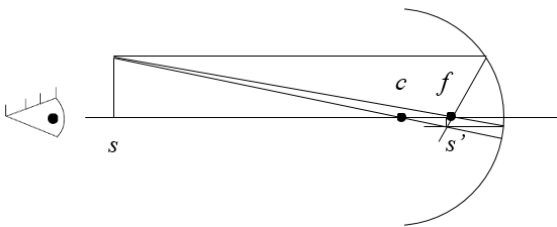
$f$  is -



$s$  is + if on left  
 $s$  is - if on right

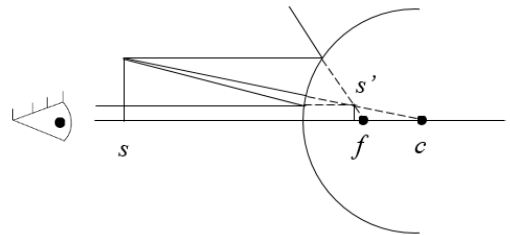
$s'$  is + if on right  
 $s'$  is - if on left

## CONCAVE MIRROR



$f, s, s'$  are + if on left

## CONVEX MIRROR



$f, s, s'$  are - if on right