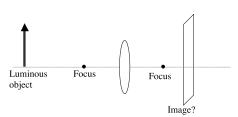


What happens to the images on the screen when the mask is inserted over the left half the lens?

- A)Image 1 vanishes
- B) Image 2 vanishes
- C) Something else happens



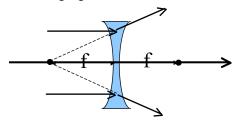


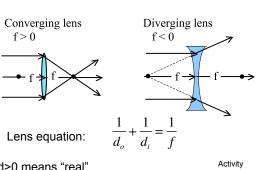
Note the object is taller than the lens. The image on the screen is...

- A) complete B) chopped off at the top
- C) chopped off at the bottom

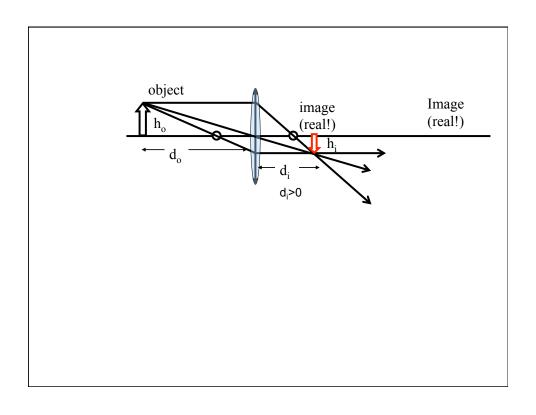
Lens equation:
$$\frac{1}{d_o} + \frac{1}{d_i} = \frac{1}{f}$$

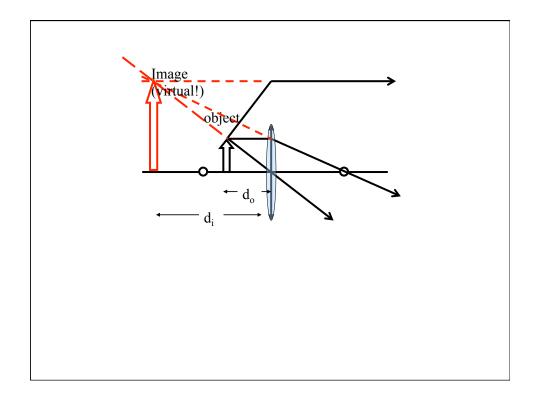
Diverging Lens: f < 0

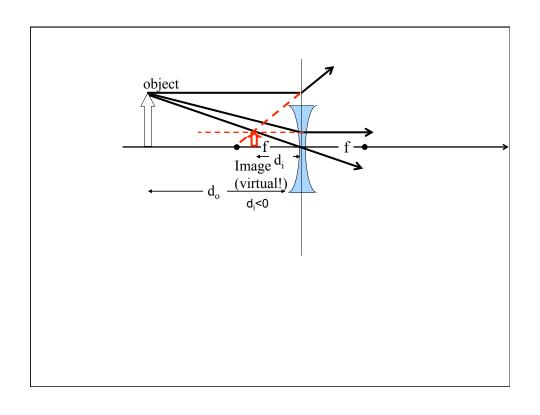


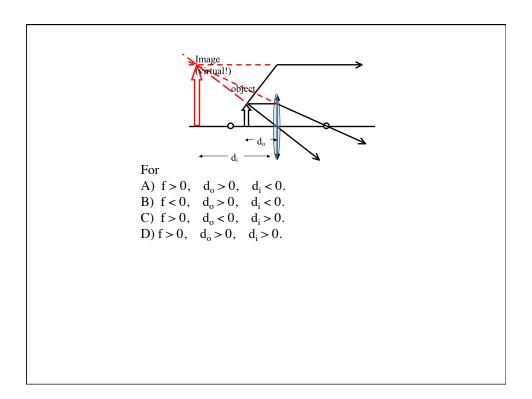


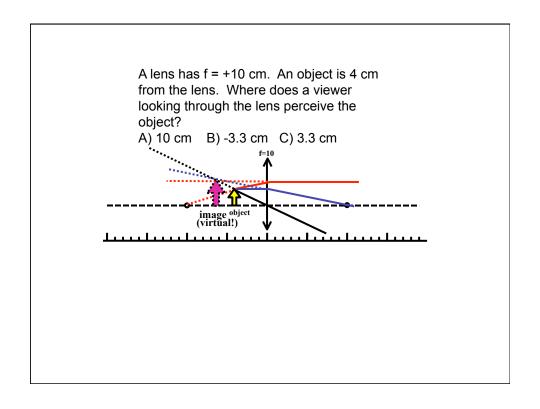
d>0 means "real" Activity
(Virtual images are behind the lens, and d<0)

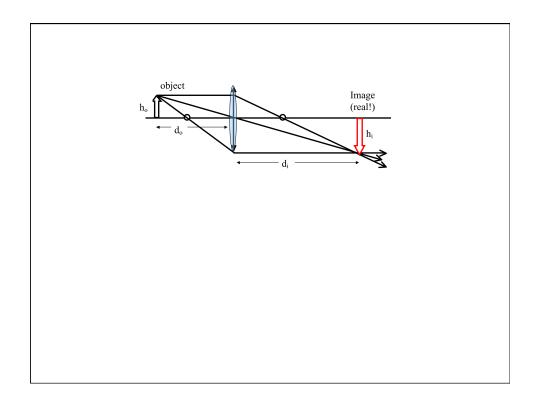






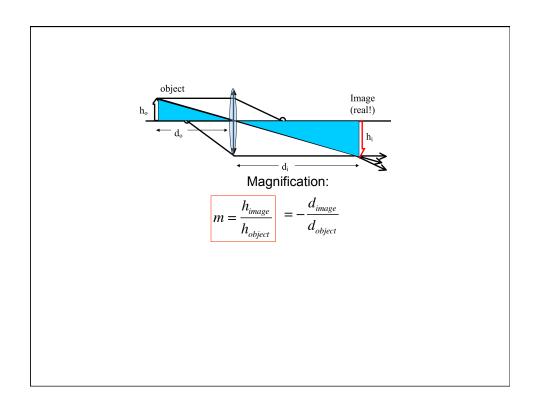






$$m = \frac{h_{image}}{h_{object}}$$
Image (real!)

Magnification:



An object is placed near a diverging lens. The object is farther from the lens than the absolute value of the focal length of the lens.

(I.e. the object is "outside the focus")

The image formed is..

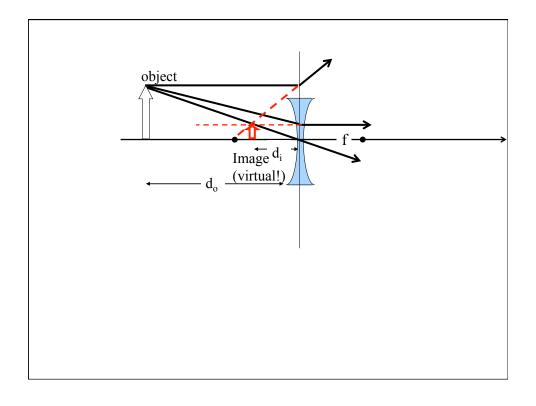
A) Real B) Virtual C) there is no image.

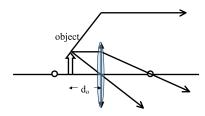
The magnitude of the image distance is...

A) smaller than

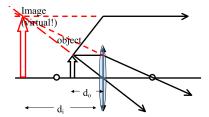
B) greater than

...the object distance.





If $d_o = 5$ cm, $|d_i| = 15$ cm, and the object height h_o is 1cm...



If $d_o = Jenn$, $m_{i^1} = 1J$ ern, and the object neight h_o is 1cm, what is the image height h_i ?

A) 2 cm B) 3 cm C) 4 cm D) Other

E) I don't know how to do this.