

*Diverging Lens Ray Tracings*

Do the ray tracings for all five possible object locations for a diverging lens. Label each image (if any) as upright/inverted, enlarged/diminished, real/virtual.

- Principal rays: (1) parallel  $\rightarrow$  away from primary  $F$   
 (2) through center of lens  
 (3) towards secondary  $F \rightarrow$  parallel

6. Far away



7. Just outside  $F$



8. At  $F$



9. Just inside  $F$



10. Near lens

