

### Optics cheat sheet

Fill out the table below with the correct information as it is covered in class. This will help you keep track of the differences between the several types of mirrors and lenses. Type of image tells you whether the image is real or virtual. Orientation of image tells you whether the image is upright or inverted. Size of image tells you whether the image is larger or smaller.

Optical device	Object distance	Type of image	Orientation	Size of image
Plane mirror	Any			
Concave mirror	$d_o < f$			
	$f < d_o < R$			
	$R < d_o$			
Convex mirror	$d_o < f$			
	$f < d_o < R$			
	$R < d_o$			
Converging lens	$d_o < f$			
	$f < d_o < R$			
	$R < d_o$			
Diverging lens	$d_o < f$			
	$f < d_o < R$			
	$R < d_o$			