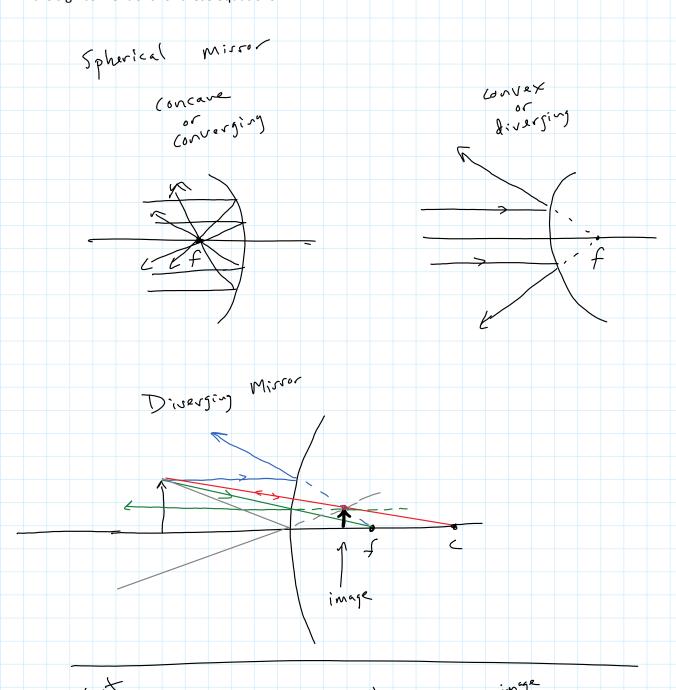
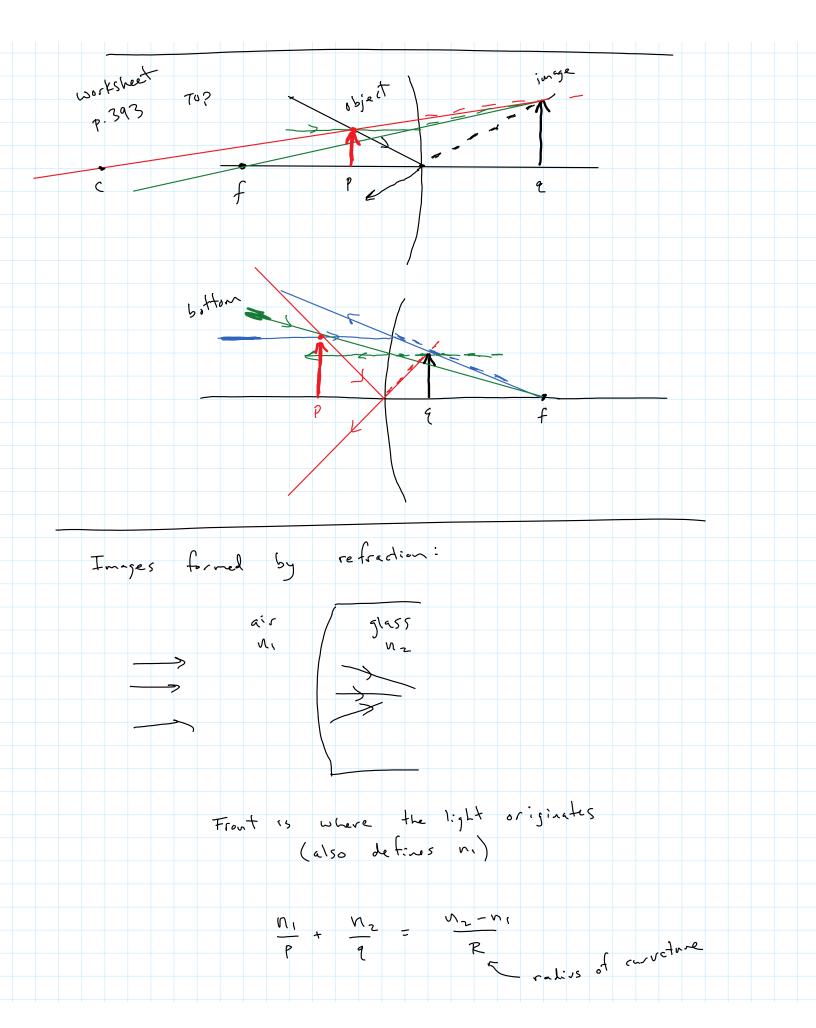
## **Review from Last Lecture:**

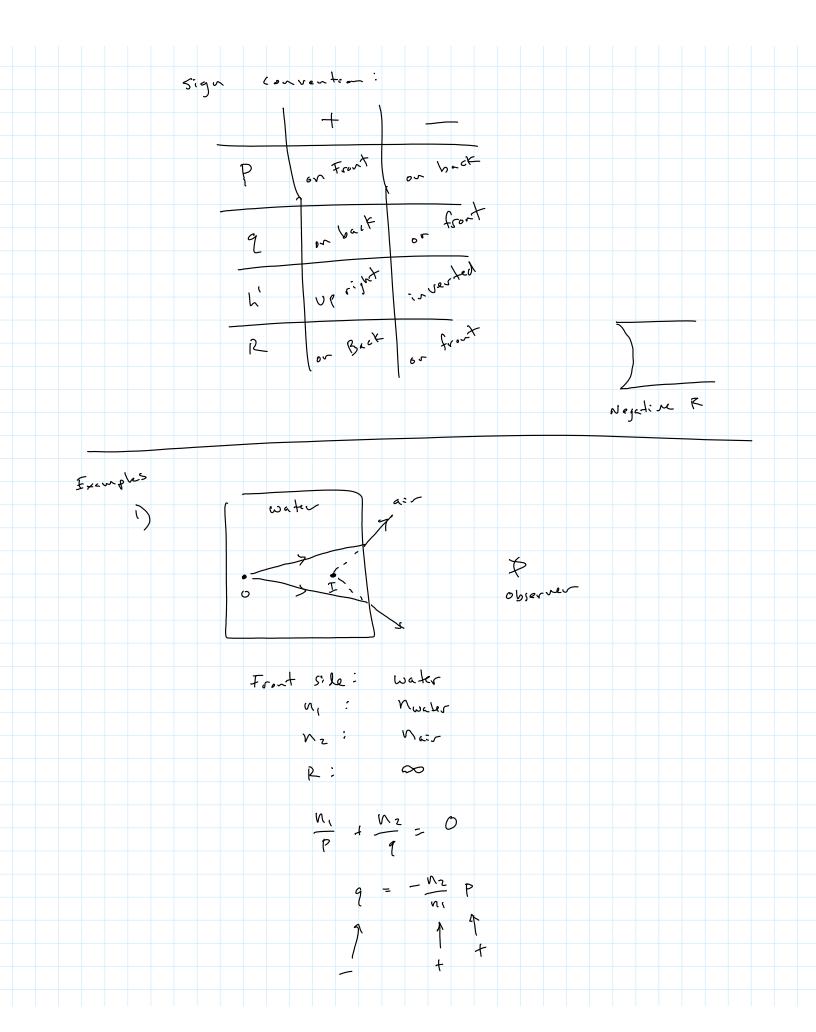
1) Understand image formation by spherical mirrors, including the mirror equation, focal length, and magnification

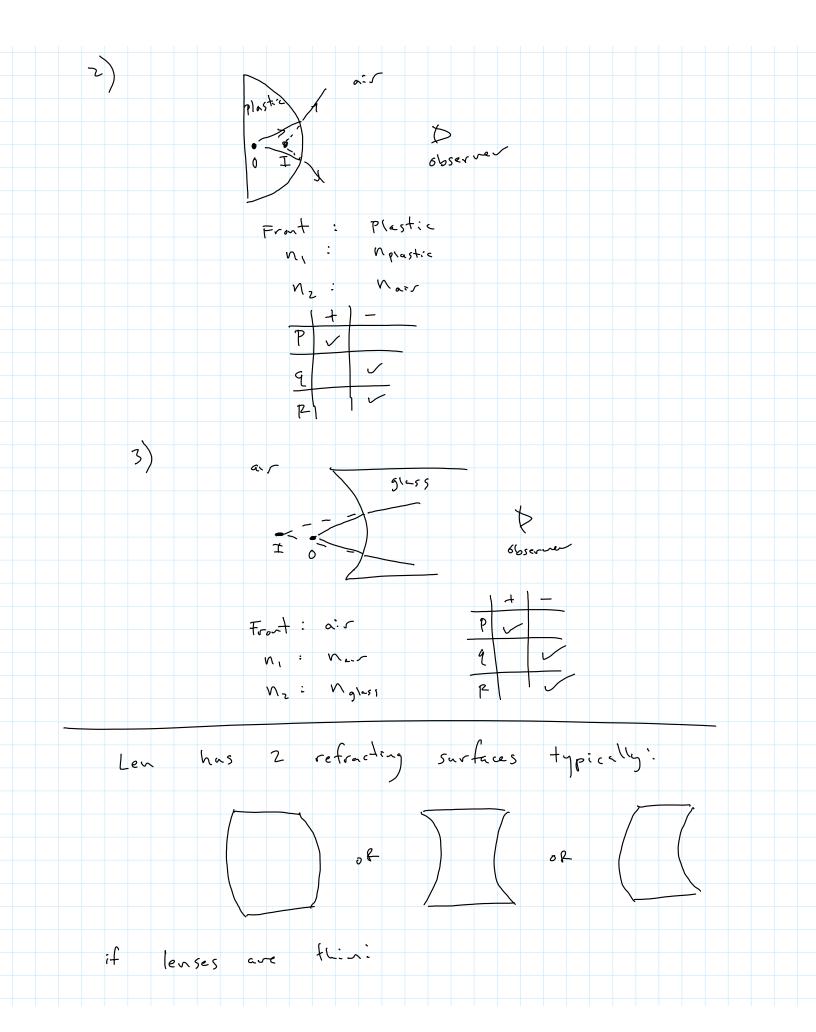
## Goals for this Lecture:

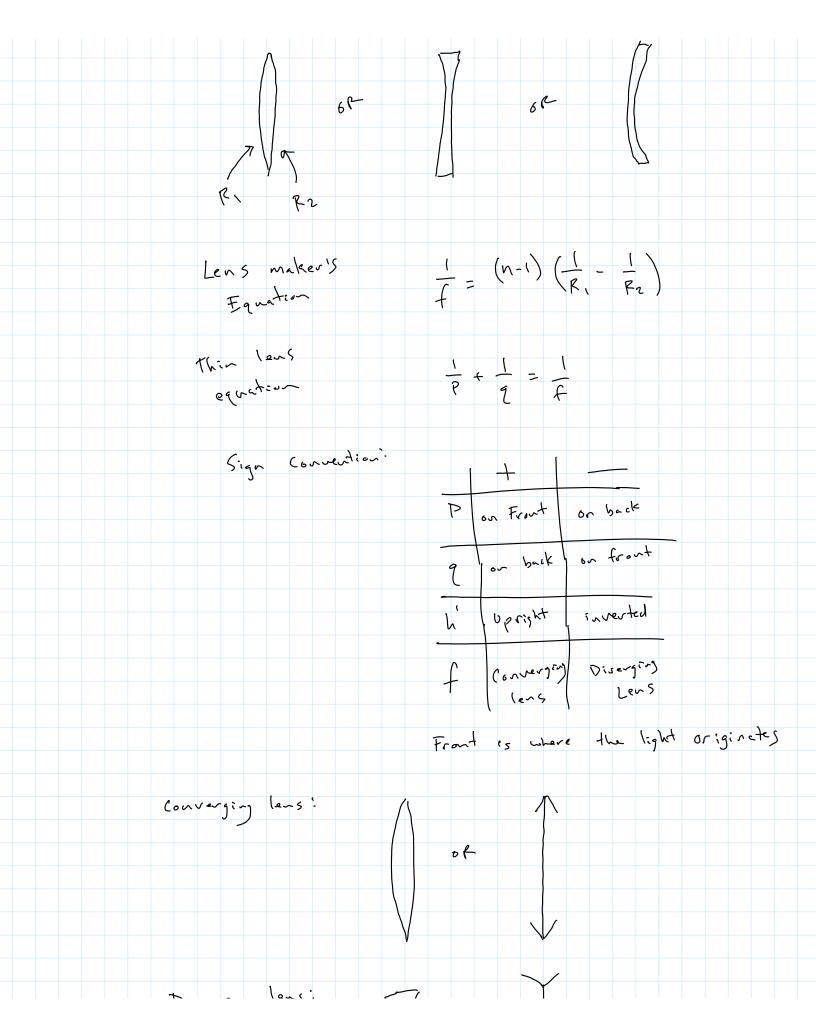
- 2) Understand image formation from refraction, including the equation for refracting surfaces, magnification, and the sign conventions for these equations
- 3) Understand image formation by thin lenses, including the lens maker's equation and the thin lens equation, focal length, magnification, and the sign conventions for these equations

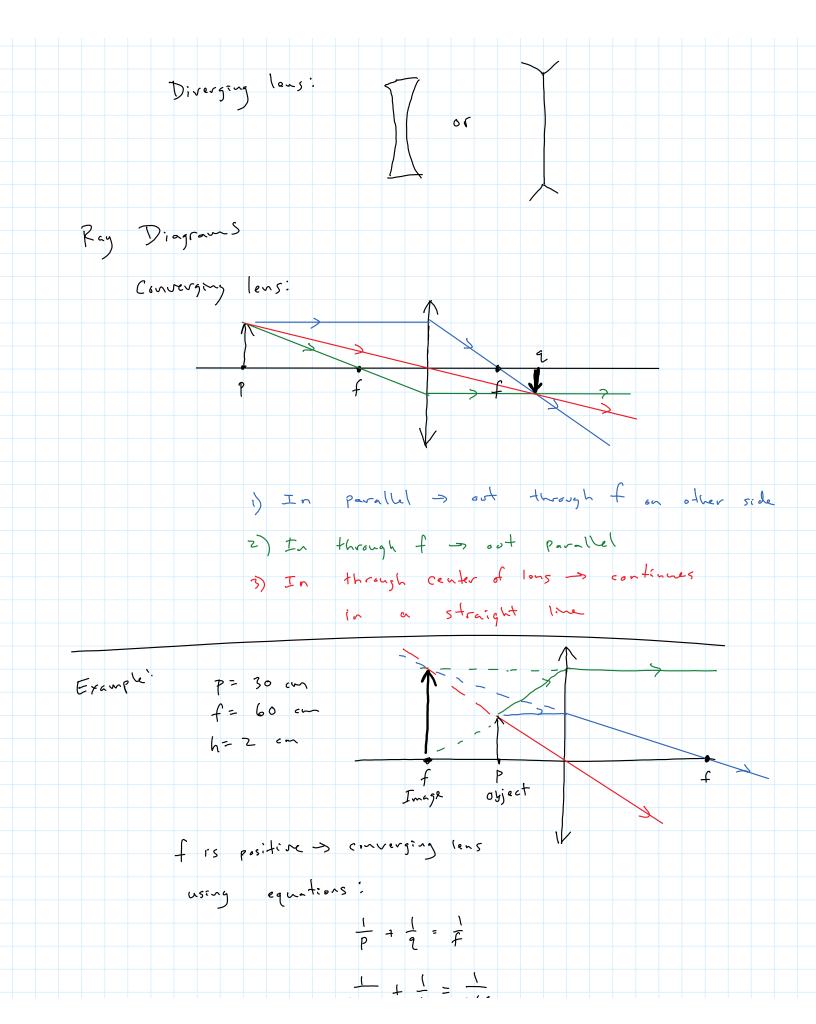


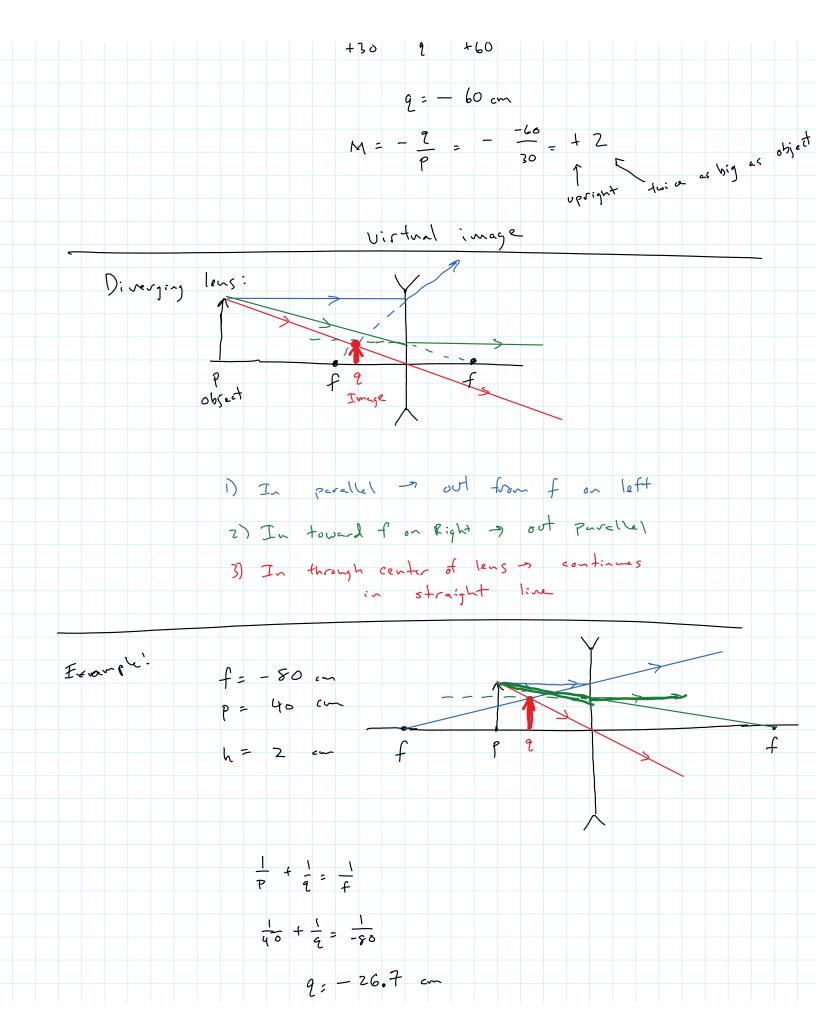












	M = - 9 = -	-26.7 40 = +0.667
	P	40 gright
		upr:1ht
	Virtual	image
warksheet	TOP: NA > NB	
2118		nω sinθω = N s~ 90
	tottom: NB>NA	
	VA > VB	
		if $\theta_0 = 50^\circ$ for both co
		Nwater = 1,5
		No: 1 = 1,15 gets total
		internal reflect
		;f v; = 1.3
		1.5 50 = 1.3 500 000
		6 <sub>01</sub> = 62°
		011 1 626 Walter 500
		- dev
		War 7 5001
p. 396	virtual images:	A,B, E,F
	inverted images	C, D
	reduced size in	nges: B, C, D, E, F
Book Problem		20 cm to left diverging lens

