













distance to center = R, focal length = R/2

1) Any ray going *parallel* to the optical axis will reflect through the *focus*

2) Any ray passing through the <u>focus</u> will reflect <u>parallel</u> to the optical axis

3) Any ray passing through the <u>center</u> of curvature will reflect back upon itself <u>without bending</u>



Sign conventions

where?	+	-
f	concave mirror/ converging device	convex mirror/ diverging device
do	ALWAYS	NEVER
di	Real image/ light crosses/ "Right" side of mirror	virtual image/ light does NOT cross/ "wrong" side of mirror
m	upright/virtual	inverted/real











