## Spherical Mirrors

Rules of spherical mirror reflection.

Concove mirror

1) A ray passing through the F, ofter reflection, will be parallel to principle axis.

2) A ray passing through C, after reflection, will reflect back in Same path.

3) A ray parallel to the principle axis, after reflection, will travel through T.

P

Laws of Reflection for spherical mirrors

Convex missor

1) A ray aimed at F2, after reflection, will be parallel to principle axis.
2) Array aimed at C2, after reflection, will reflect in some path

3) A ray posselled to the principle axis, after reflection would travel in the opposite direction of the imaginary ray aiment at F2

CZFZ PF C

## Concave missors

	Object doution	Type	Size	Location	Errect / Flipped
1	at 00	real	∞ diminshed	at F	inverted
2	beyond	real	diminished	between Fand C	invorted
3	ALC	real	some	at C	invoited
4	belween F&C	real	magnified	beyond L	invorted
5	AFF	real	2 magnified	at $\infty$	inverted
6	between Fand P	virtual	magnified	behind mirror	errect

## Convex mirror

	Object Location	Type	Size	Location	Exxect / Invested
9	at 00	virtual	diminished	at F2	inverted
	beyond	virtual	diminished	between F2&P	errect
	ALC	virtual	diminished	between F2&P	errect
	between F&C	virtual	diminished	between F2&P	errect
	AHF	virtual	diminished	between F28 P	errect
	between Fond P	hartris	diminished	between F28 P	errect



