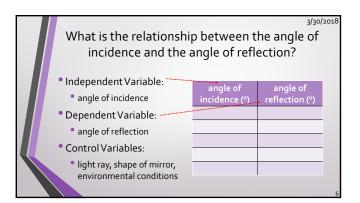
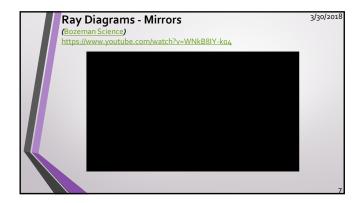
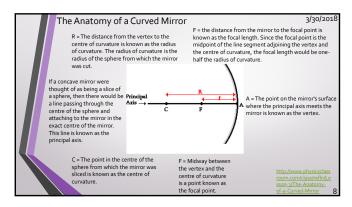
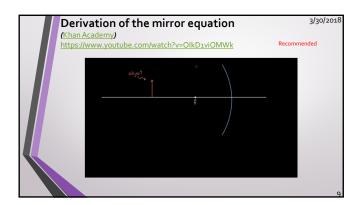


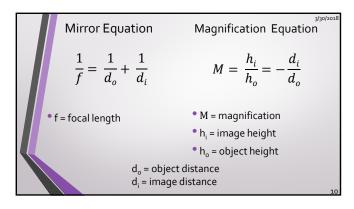
What is the relationship between the angle of incidence and the angle of reflection?

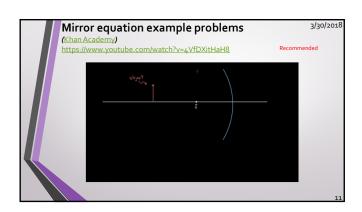


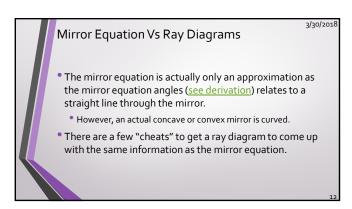










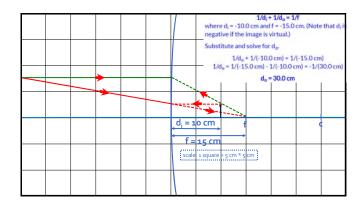


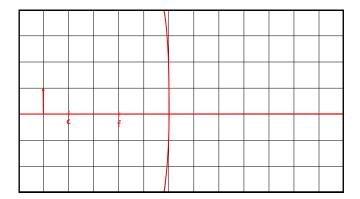
"Cheats" to get a ray diagram to come up with the same information as the mirror equation

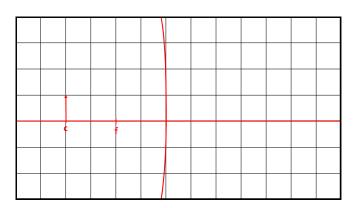
3/30/2018

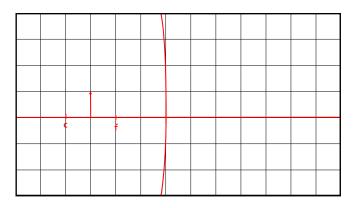
- 1. Focus in on the "middle" part of the mirror and "pretend" it is almost a straight line.
- 2. If you can draw your own mirror make it curve very gently so that the "middle" part of the mirror is as straight as possible.
- 3. Reduce the scale and use squared paper to help make the ray diagram as accurate as possible.
- 4. If you are not given an object or image size, use a small object or image so that the rays only hit "middle" part of the mirror.

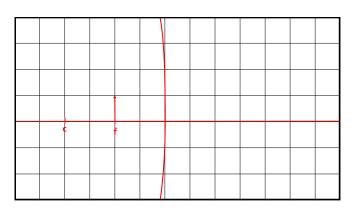
Note: the more curve a mirror has, the more a ray diagram will differ from the mirror equation.

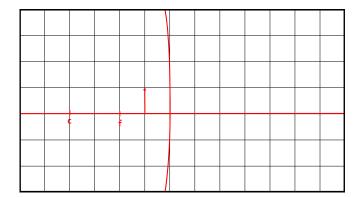


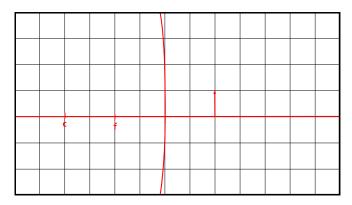


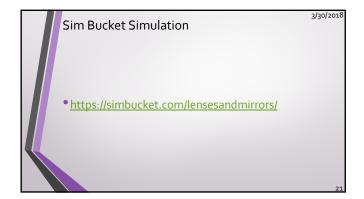












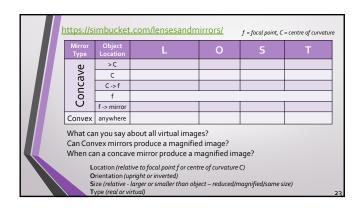
Describes an image:

Location (relative to focal point f or centre of curvature c)

Orientation (upright or inverted)

Size (relative - larger or smaller than object)

Type (real or virtual)



	Mirror Type	Object Location	L	0	S	Т
	Concave	> C	C -> f	upright	reduced	real
		С	С	inverted	same size	real
		C -> f	> C	inverted	magnified	real
		f	no image / blurry (parallel lines)			
		f -> mirror	opposite side of mirror	upright	magnified	virtual
	Convex	anywhere	opposite side of mirror	upright	reduced	virtual
A A be	convex m concave r etween th	nirror prod e mirror ar	upright! ot produce an image t luces an image larger ad twice the focal lenger reach of the situation	than the ob gth (C).		