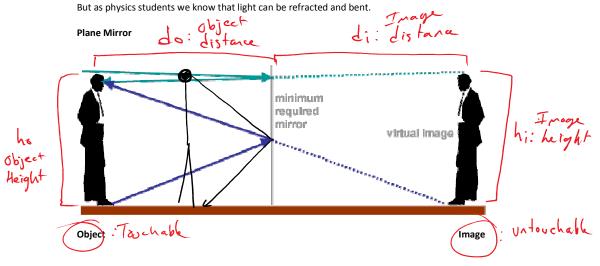
Ray Diagrams for Mirrors

September 8, 2015 1:24 PM

Light rays travel in straight lines and so when we see one we assume it is coming straight towards us.



Plane mirrors form images at the same distance to the mirror as the object. This image is a virtual image as it is behind the mirror and impossible to project on a piece of paper in the real world.

Question: Do we see more of ourselves as we get closer to the mirror or less?

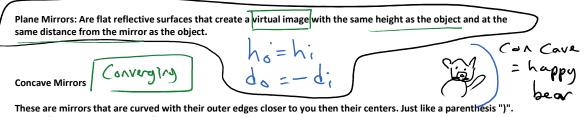
we see the same amount

Question: What size of mirror do we need to see all of ourselves?

half our height

Question: In a plane mirror is the images height larger, smaller or equal to the objects?

The Same height

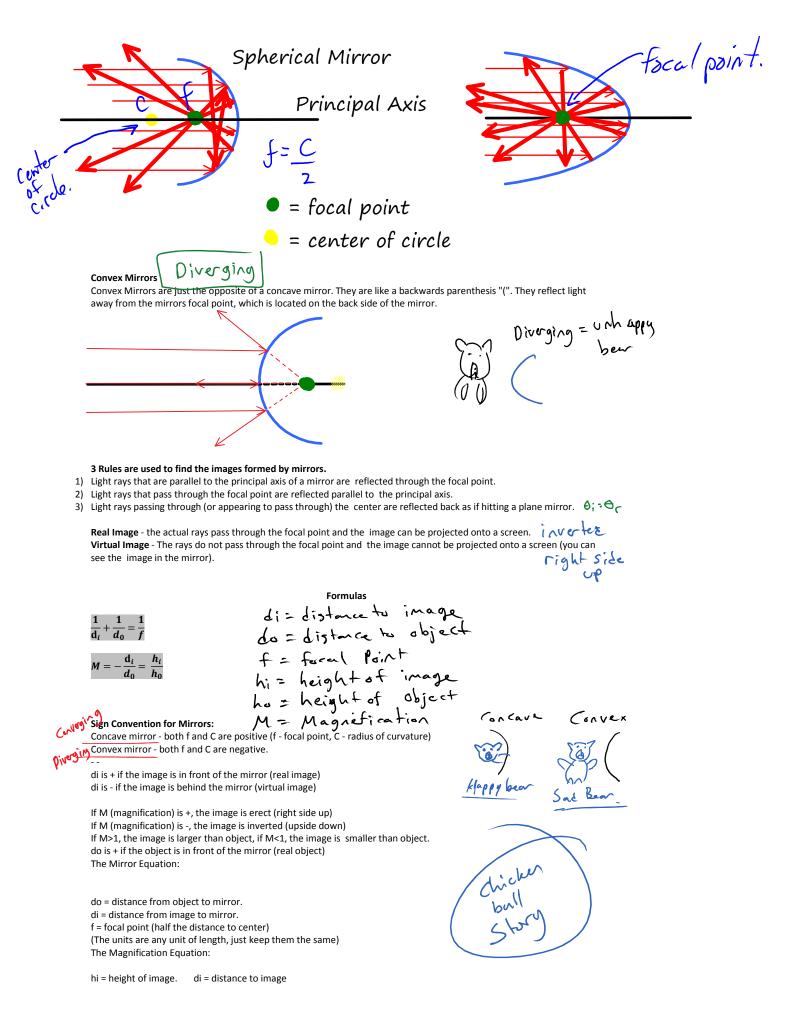


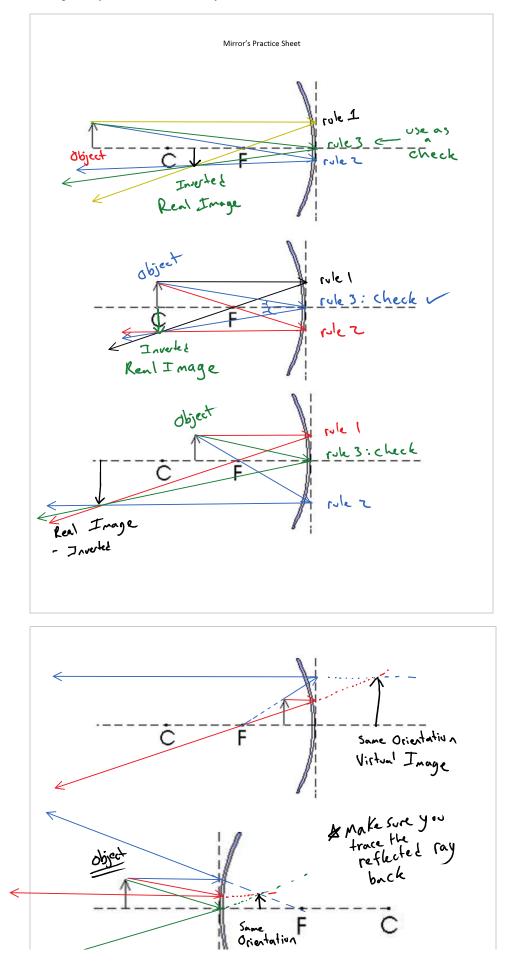
They reflect light towards their focal points.

The most ideal curved mirror is a Parabolic Mirror but these are extremely difficult to produce accurately. Most Parabolic Mirrors are approximations created from taking a small portion of a spherical mirror.



Parabolic Mirror Facal paint.





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