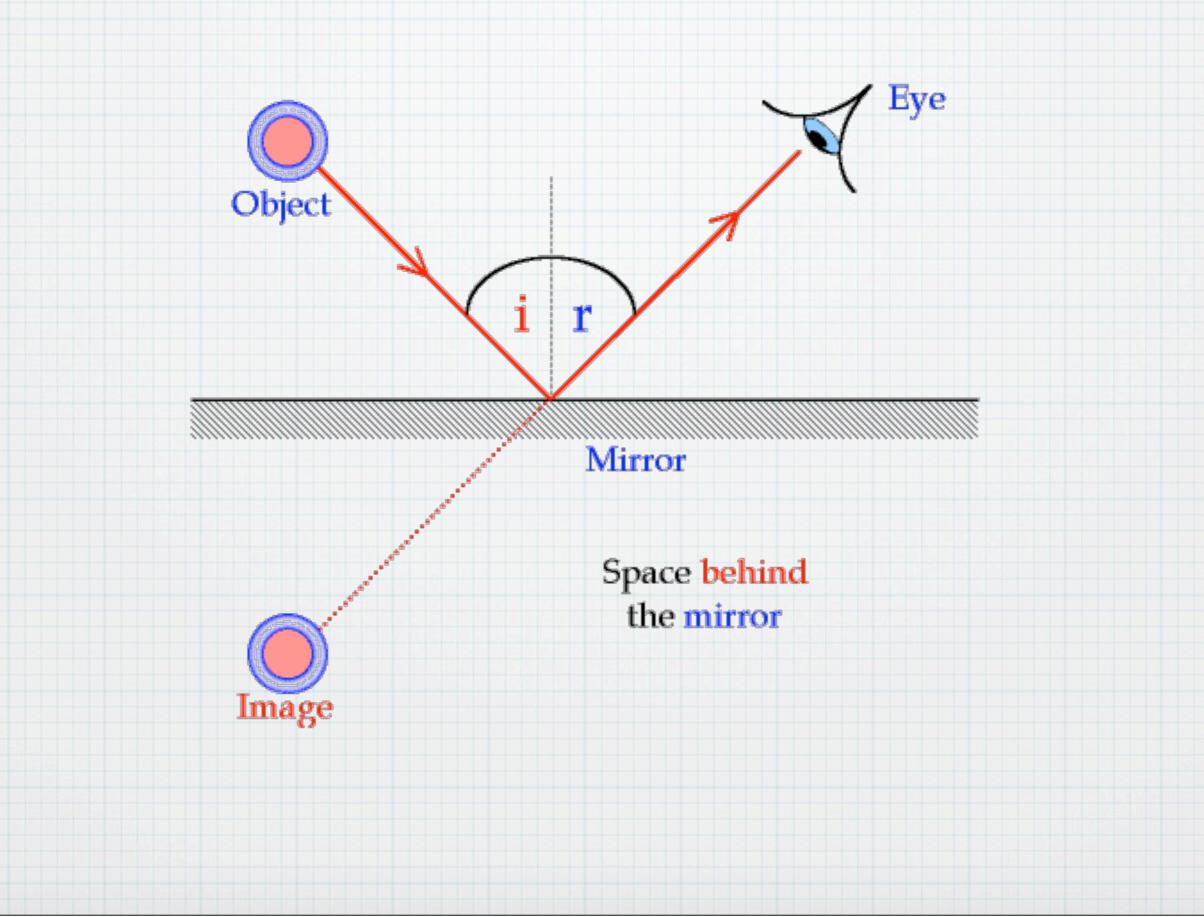
# \* When your eyes detect reflected light in a plane mirror, you actually interpret the object to be behind the mirror.

\* This is known as a virtual image

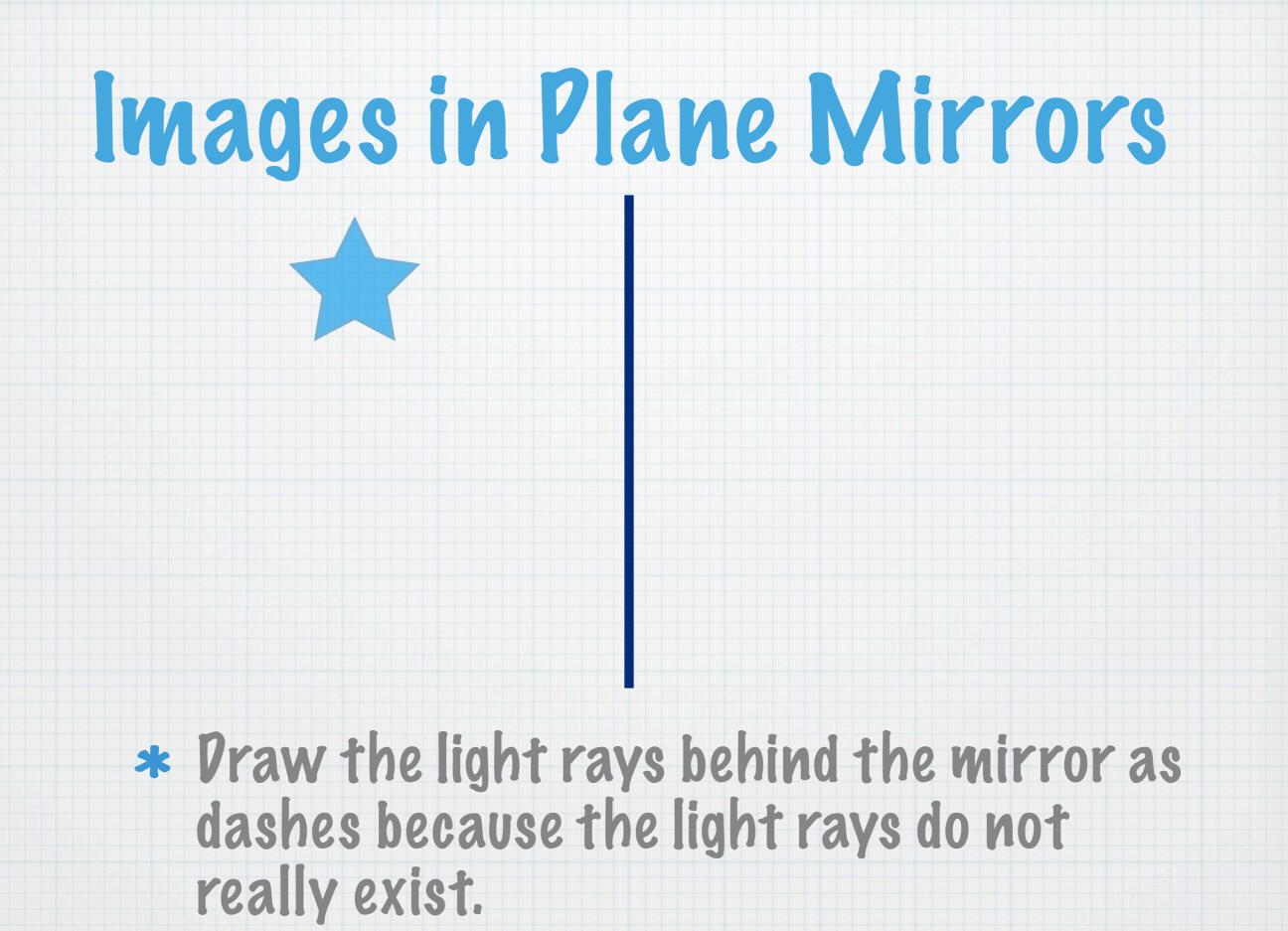
\* We call this a virtual image because light does not actually reach behind the mirror, rather it is coming from as apparent light source.

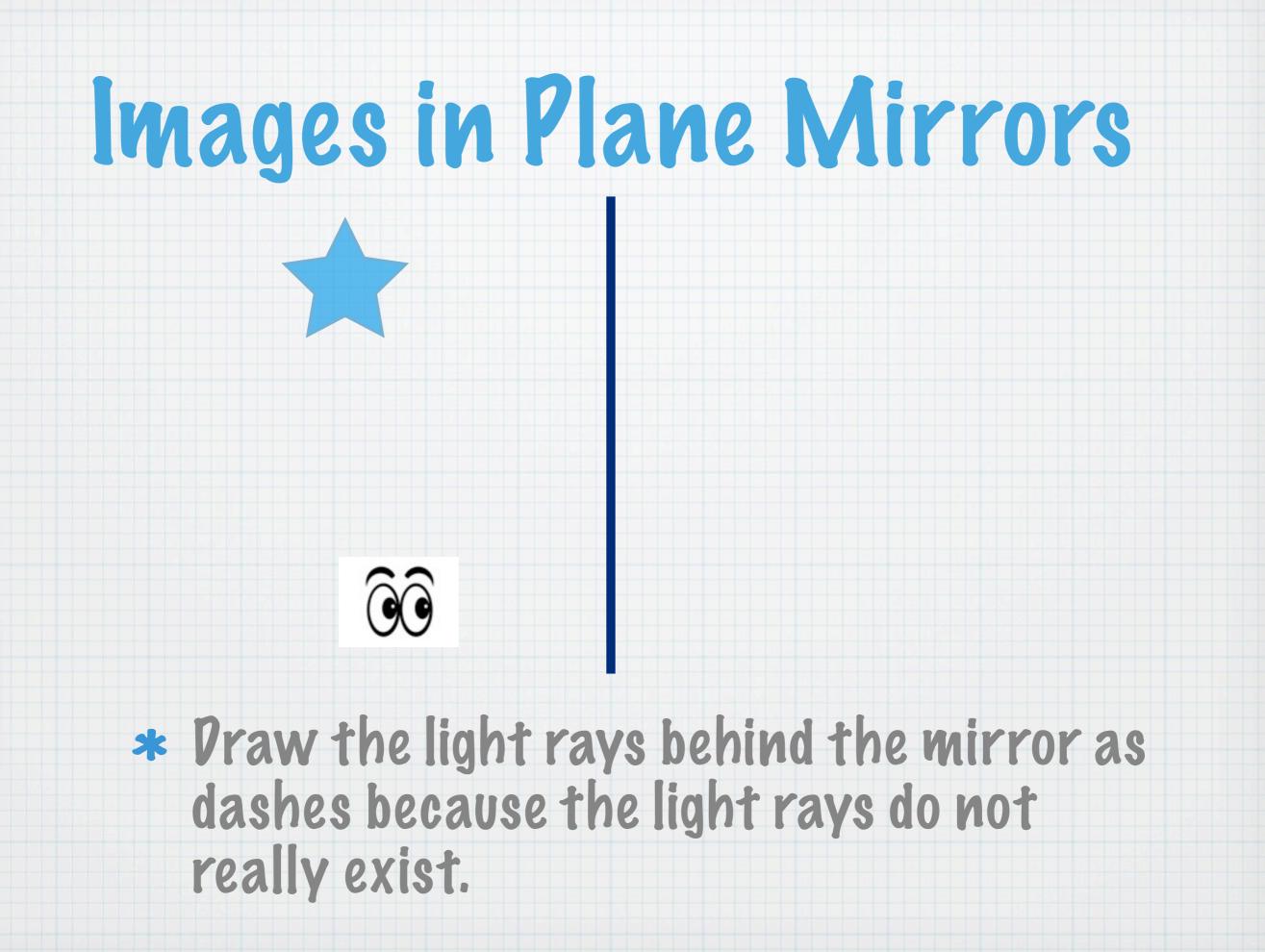


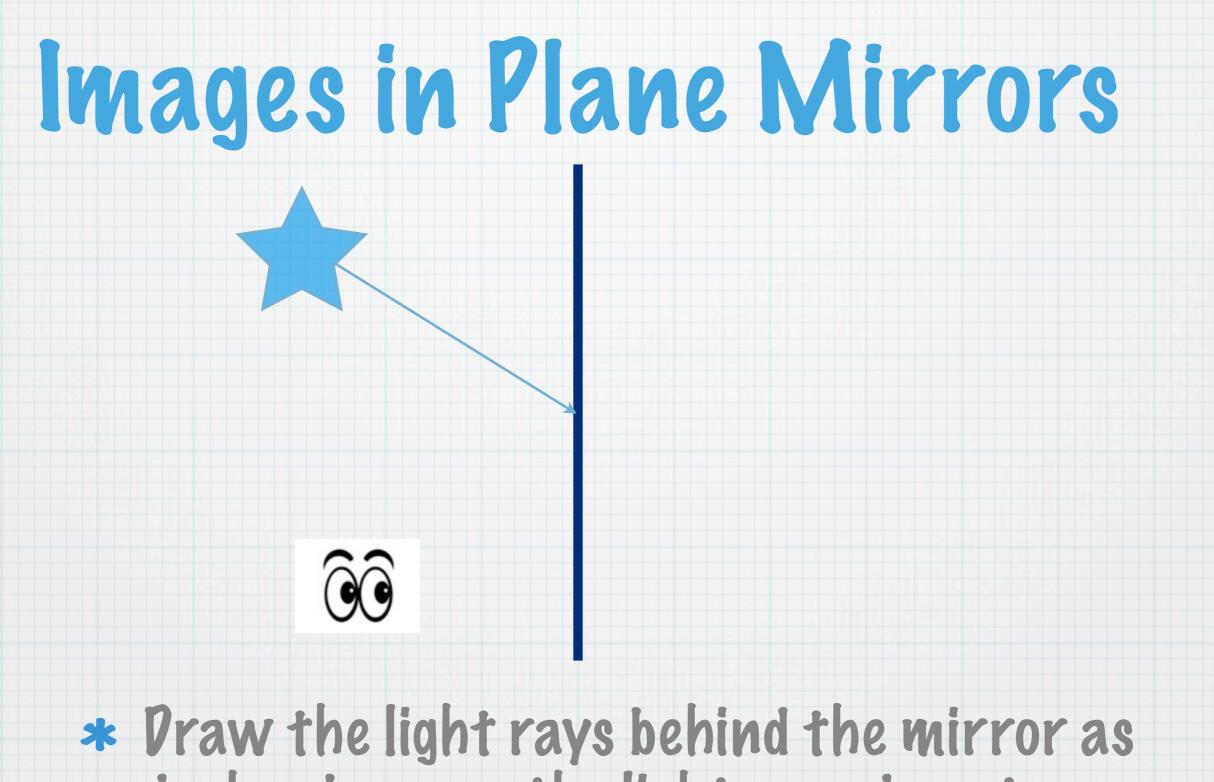
You can use light rays and the laws of reflection to show how a plane mirror produces a virtual image and where it is located.

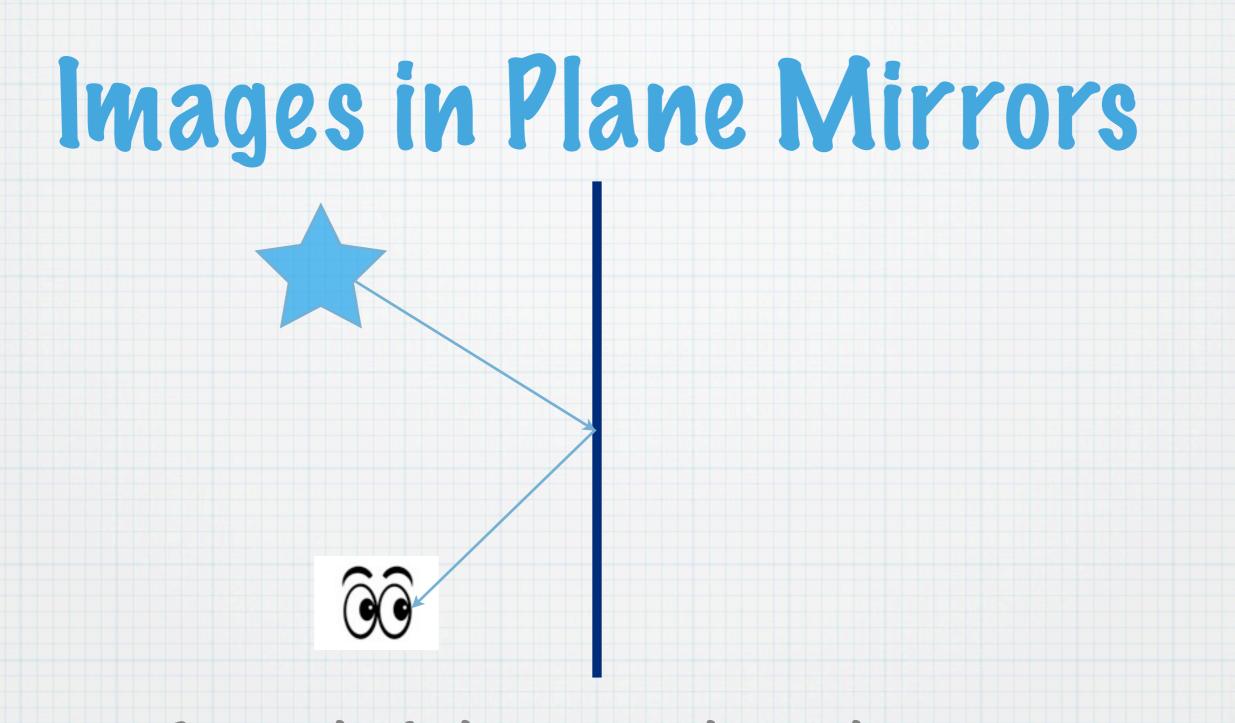
# \* Praw the light rays behind the mirror as dashes because the light rays do not really exist.

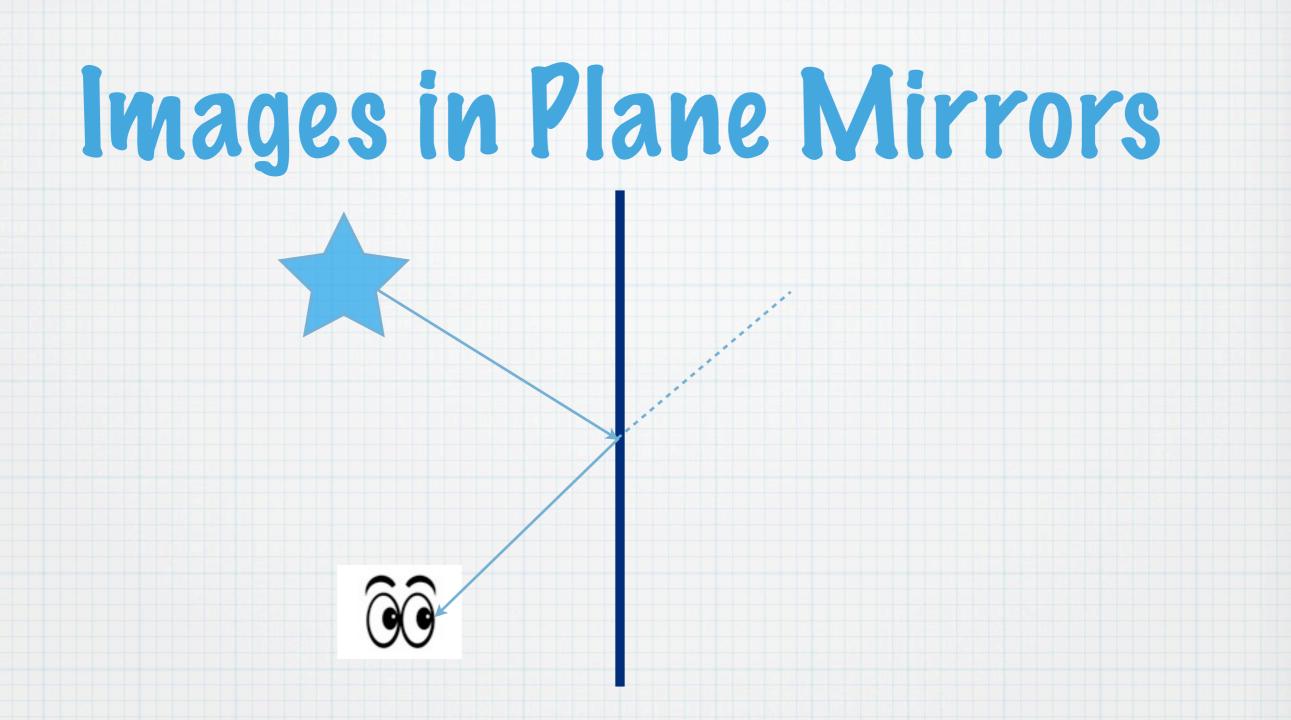
# \* Praw the light rays behind the mirror as dashes because the light rays do not really exist.

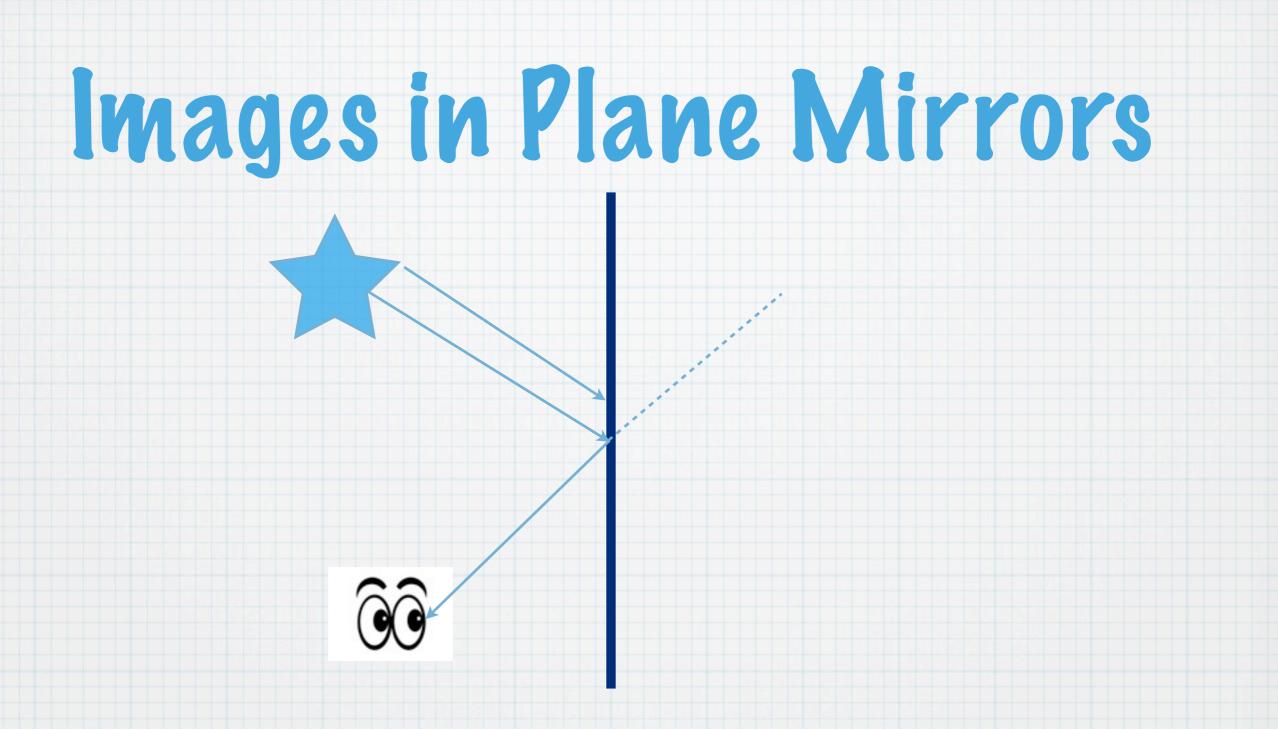


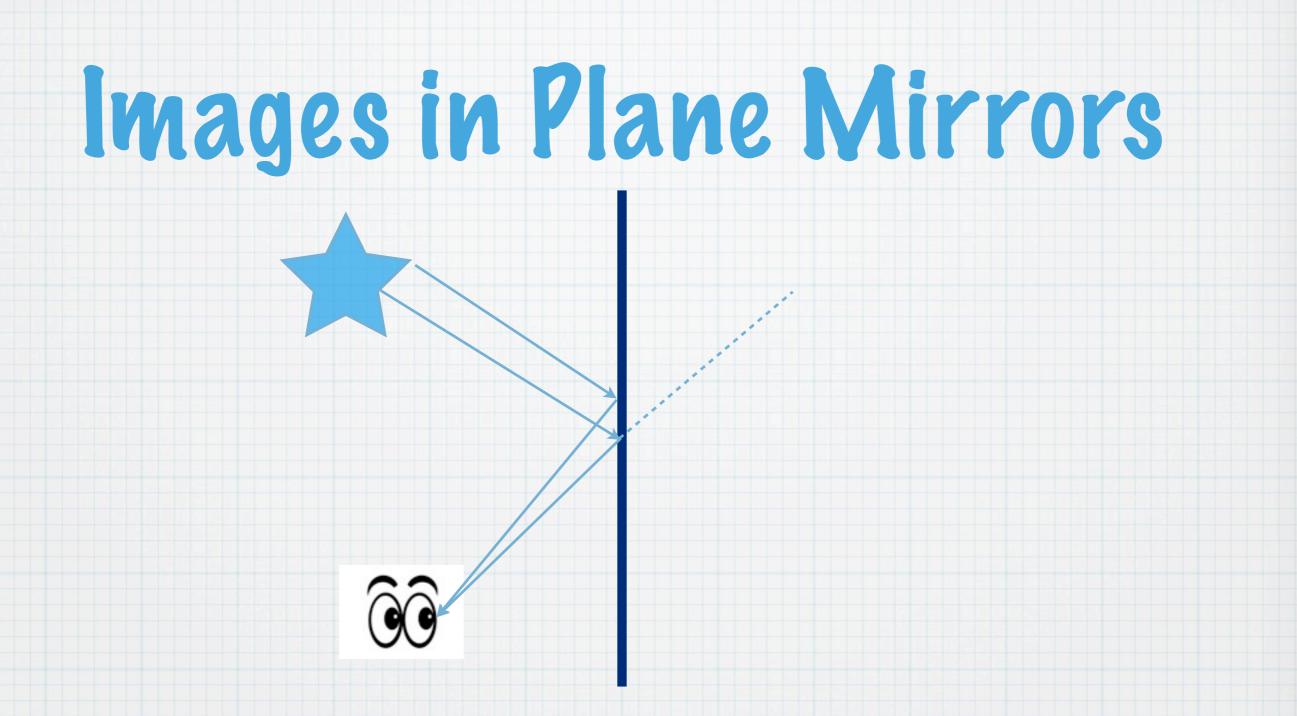


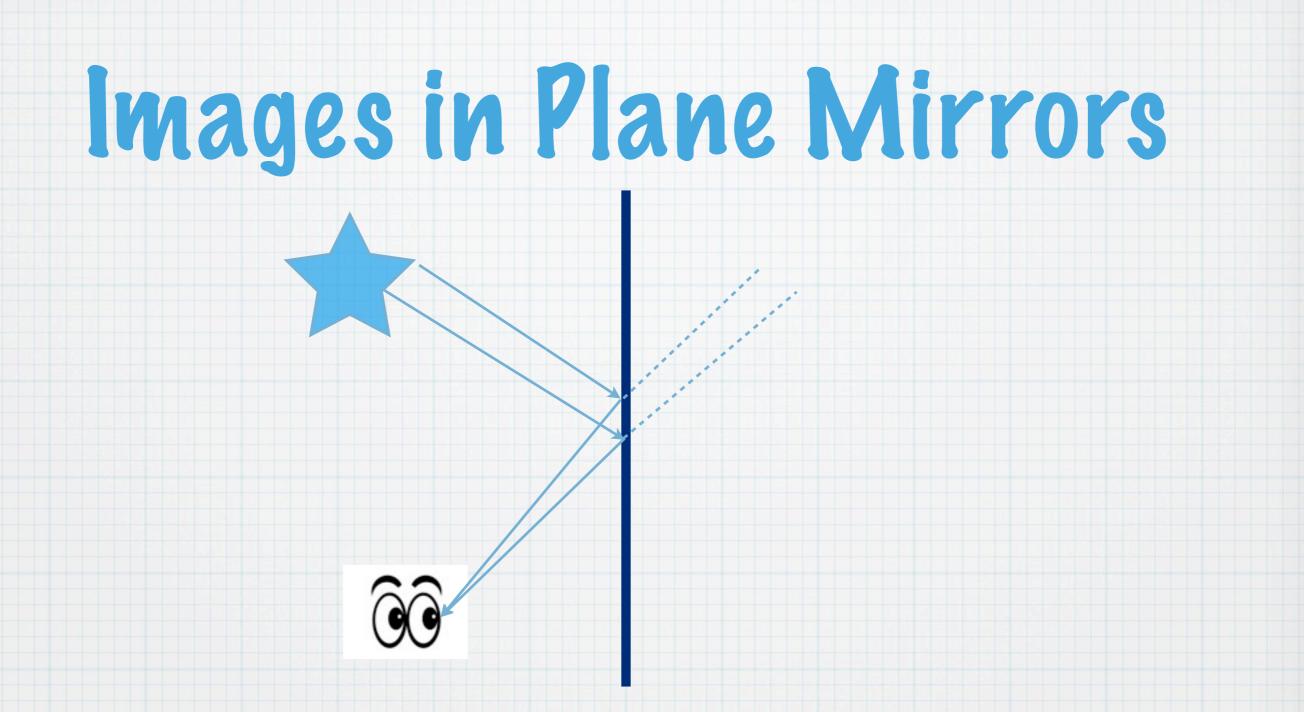


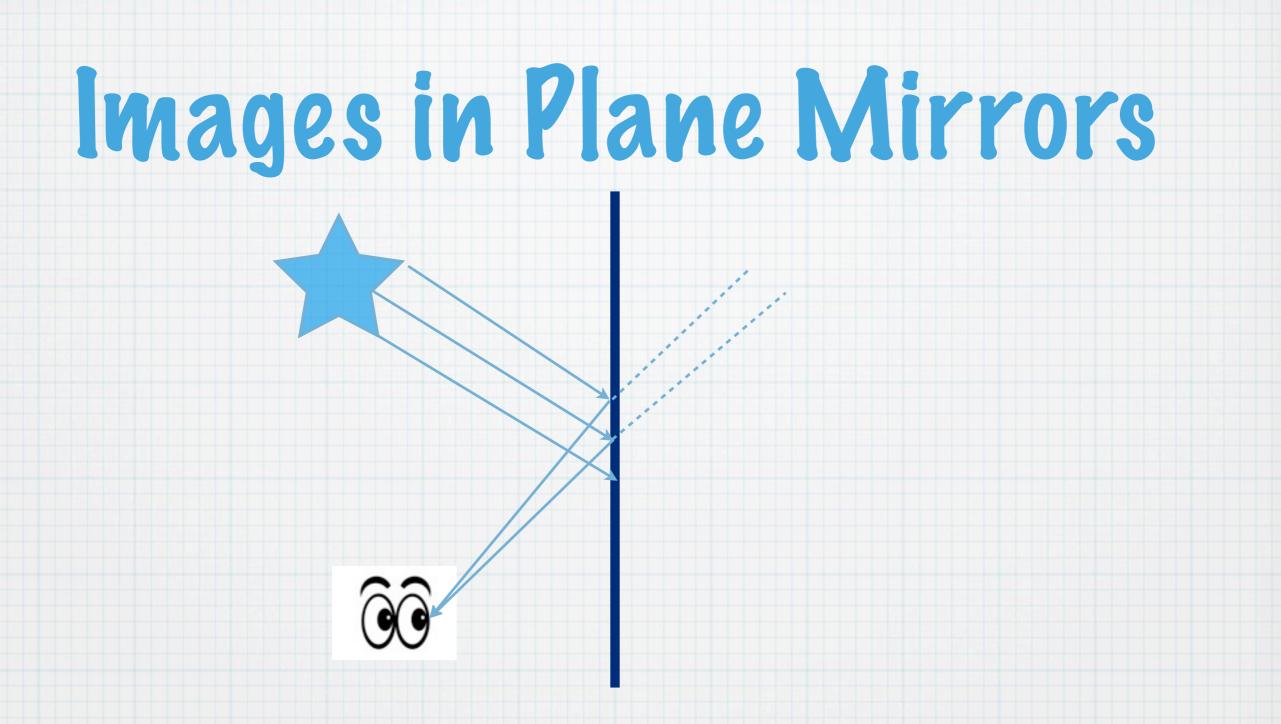


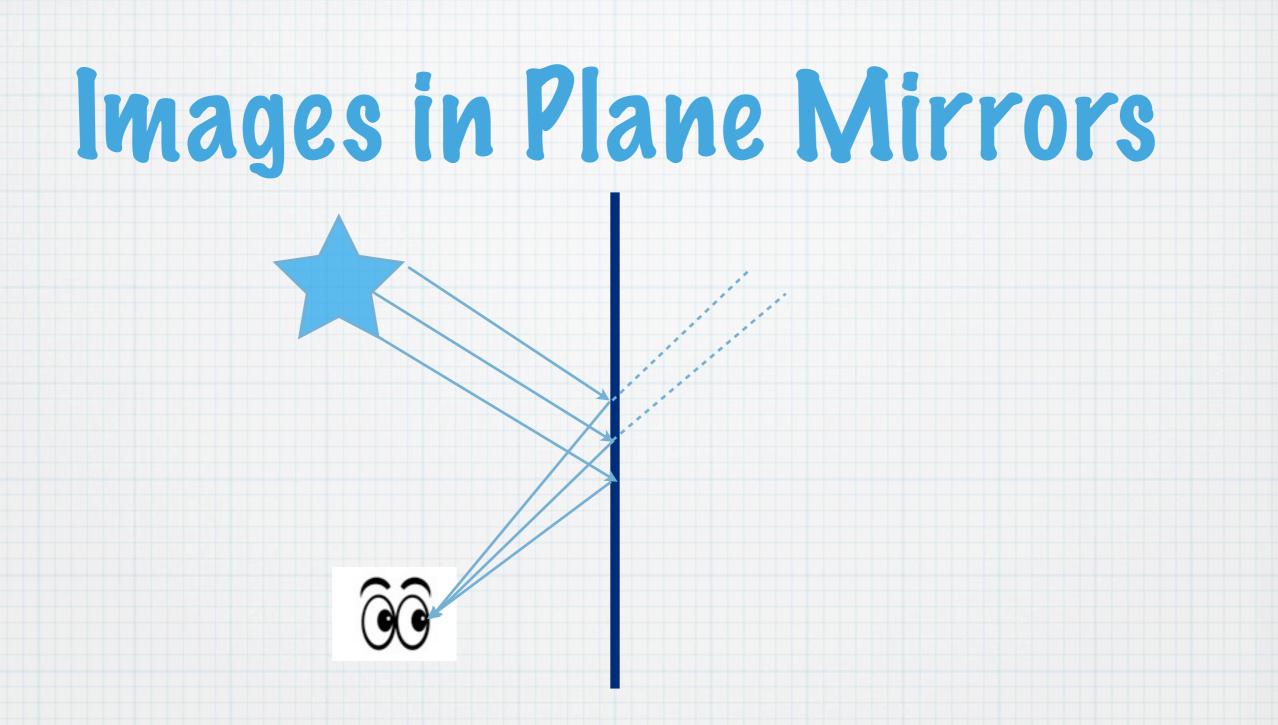


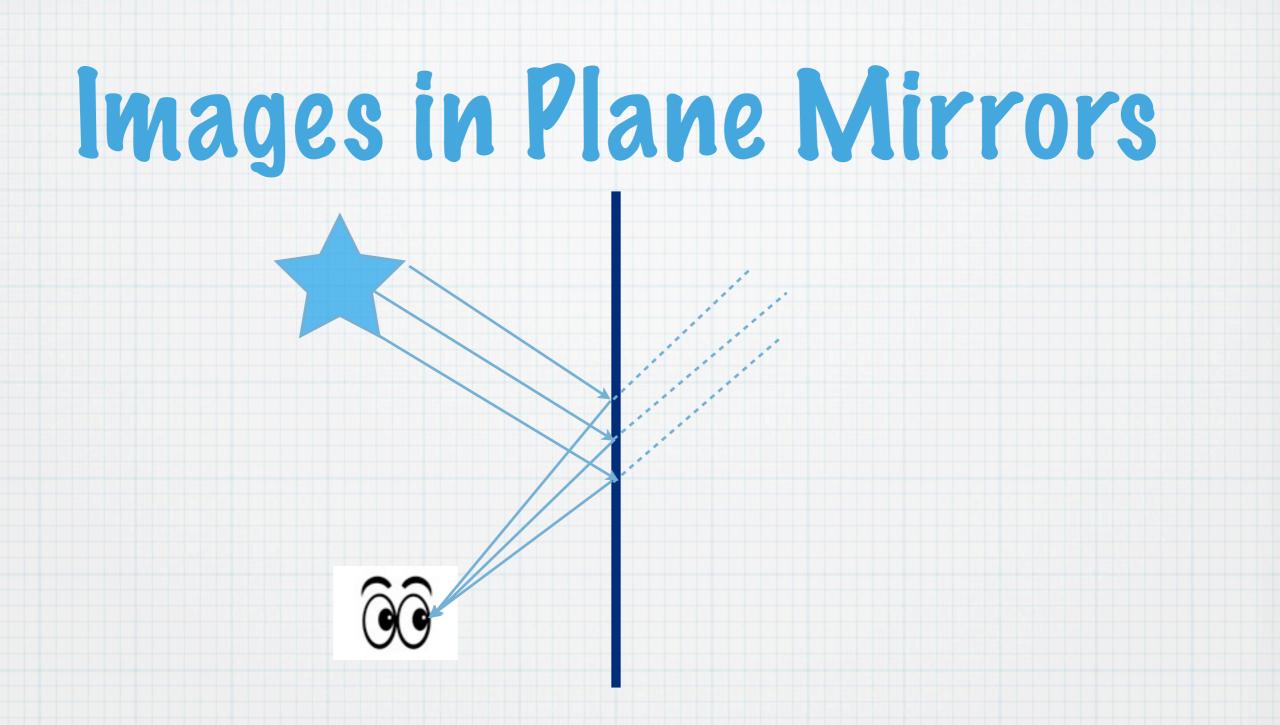


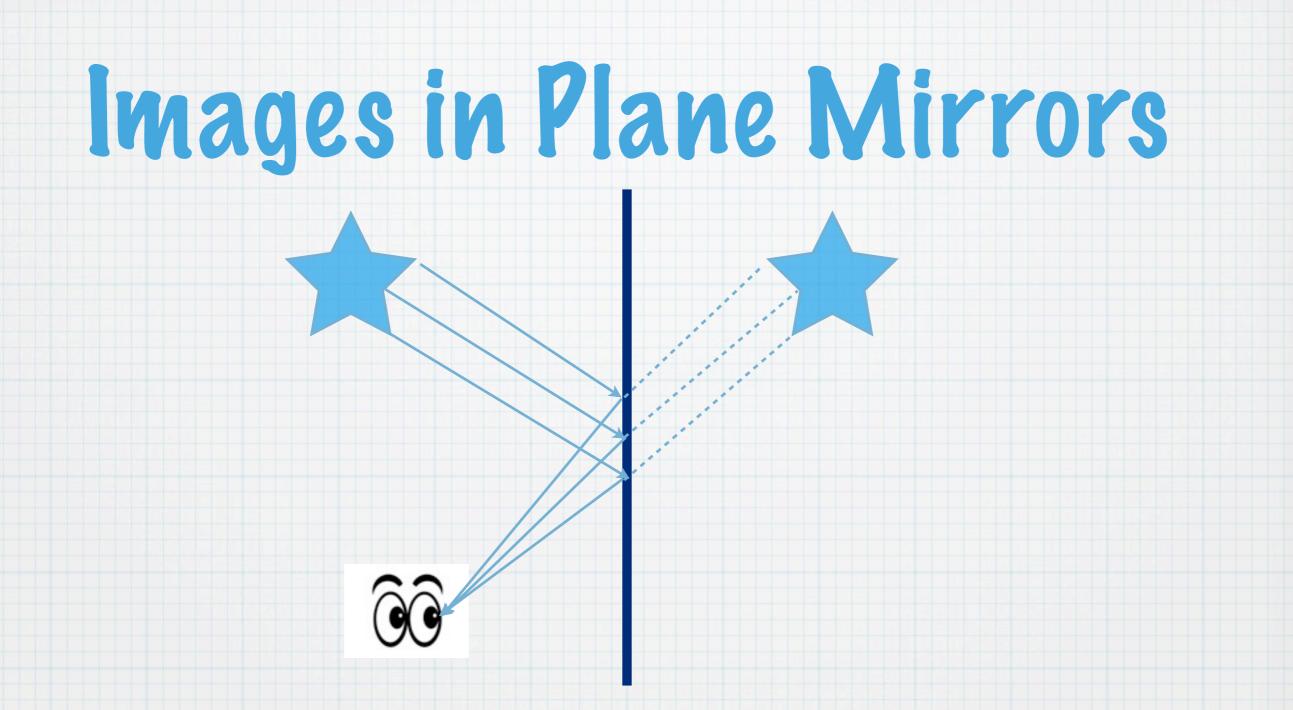










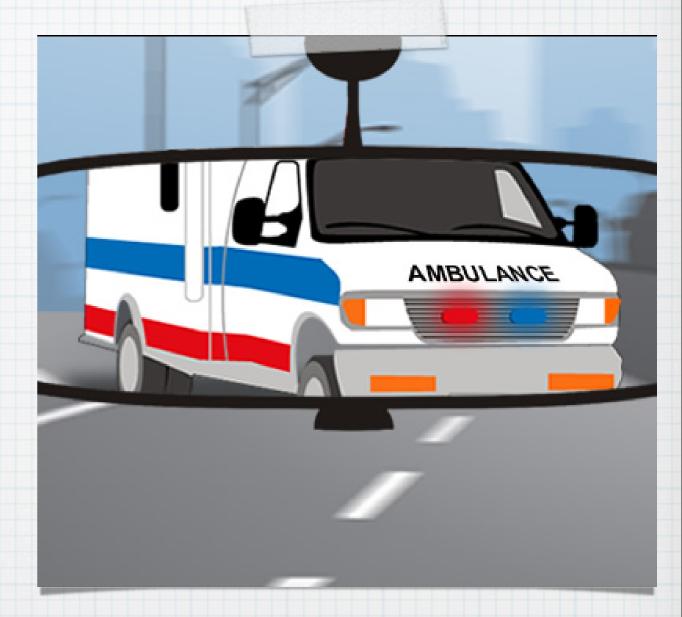


So, why is the word ambulance written backwards on the vehicle?



So you can read the word when you look at it in the

rear view mirror



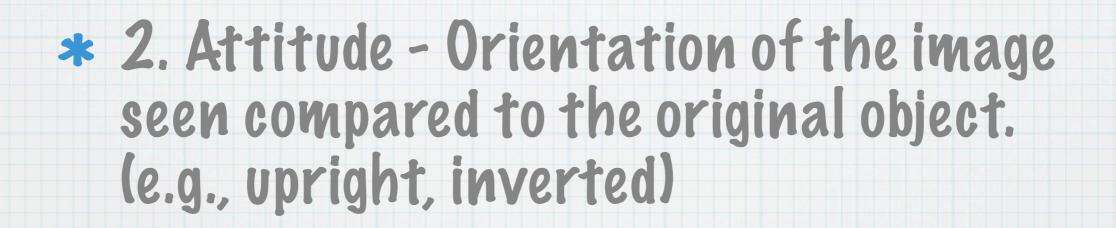
\* What is an Image?

\* A copy of an object through the use of light

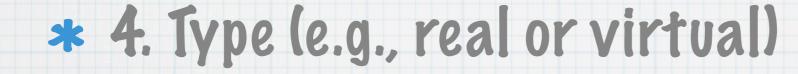




#### I.Size - The size of the image seen compared to the original object. (e.g., bigger, smaller, same)









#### \* Real image - an image that is formed when reflected rays meet

#### can be seen on a screen due to light rays arriving at the image location (e.g., movie screen)

## Types of Images

\* Virtual image -an image formed by rays that appear to be coming from a certain position, but are not actually coming from this position

\* imagined

\* cannot form a visible projection on screen (e.g., plane mirror)



