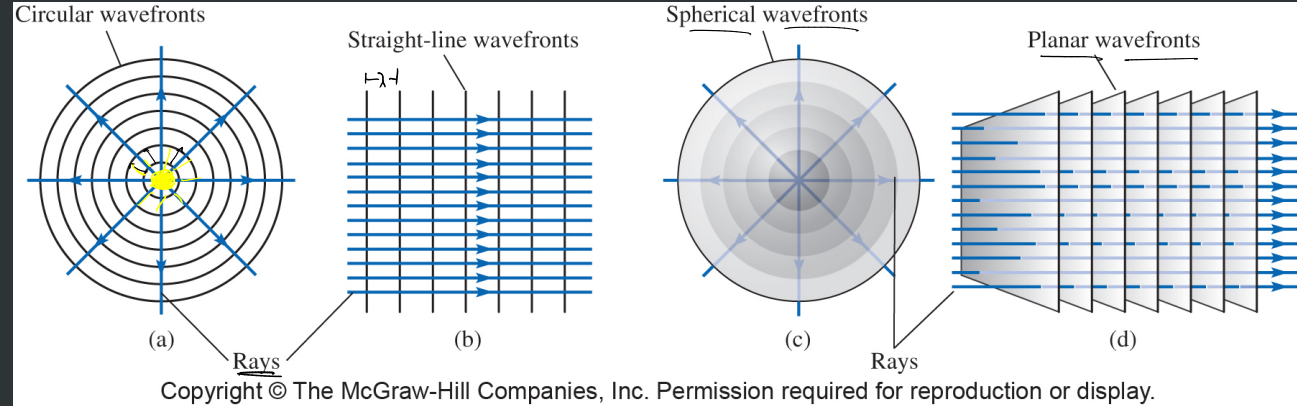
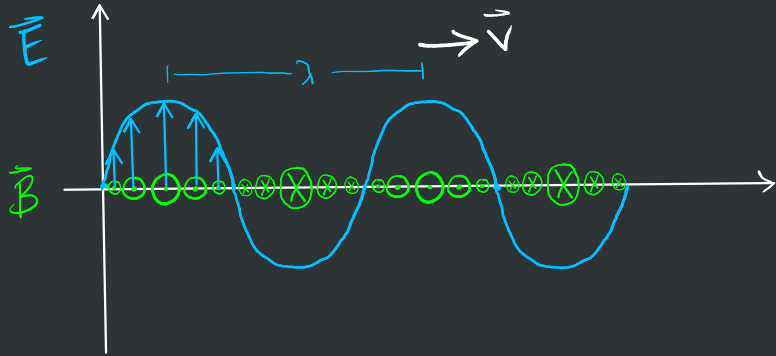


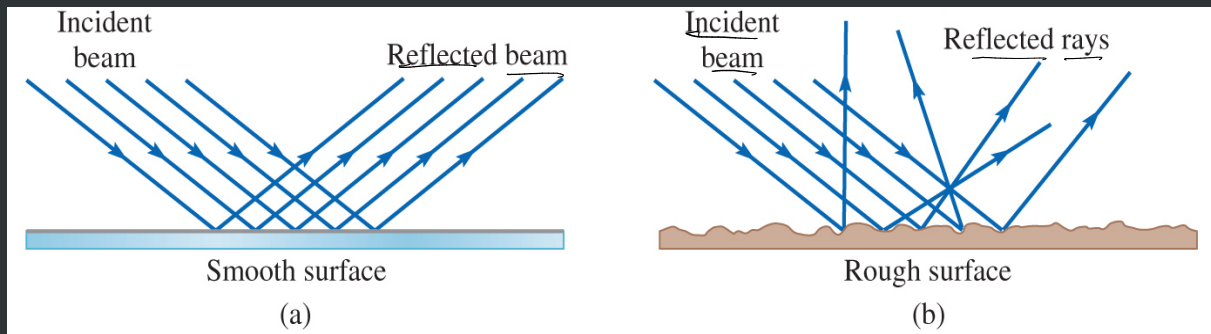
After this you can

- discuss a wavefront and ray model of light propagation
- discuss the law of reflection
- discuss formation of images by reflection



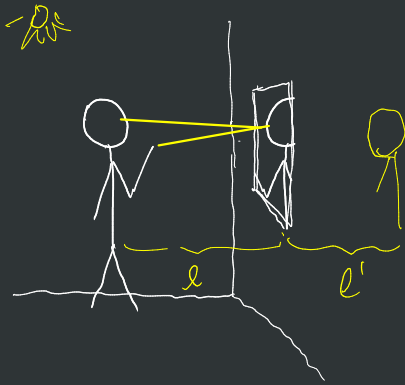
When light reaches a surface:

1. reflection (light bounces off surface)
2. transmission (light absorbed/refracted)

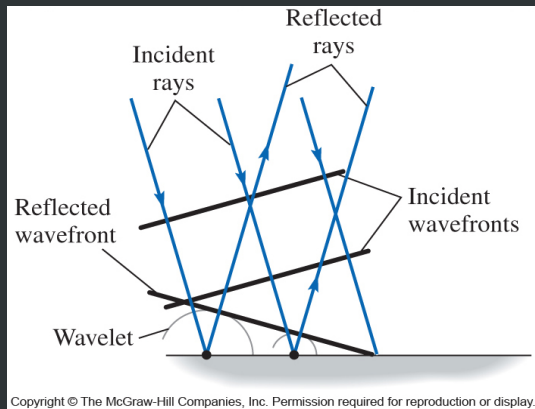
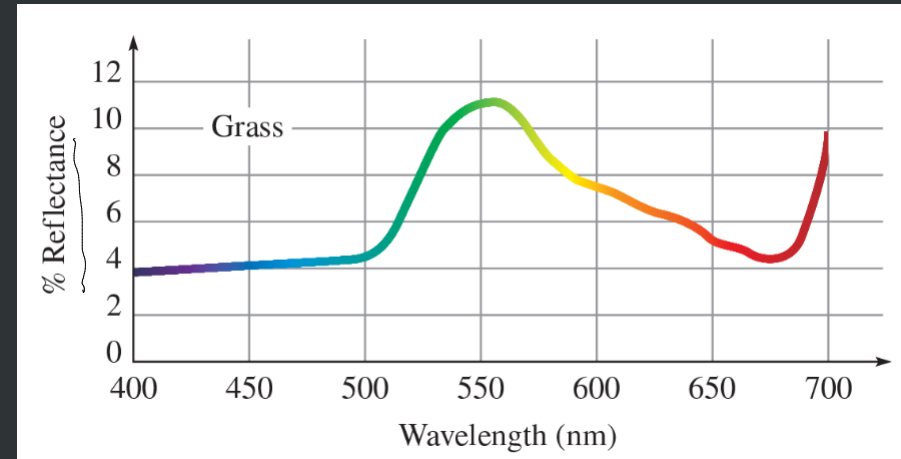
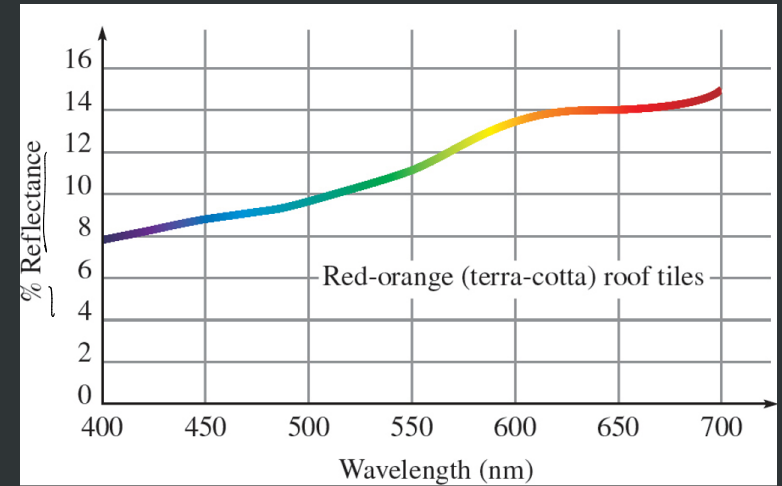
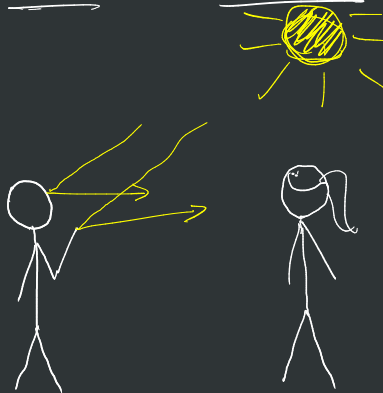


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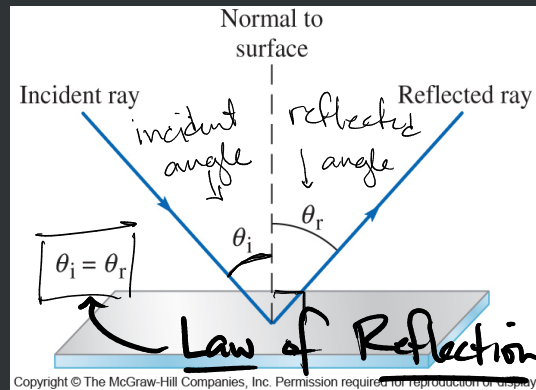
specular reflection



diffuse reflection



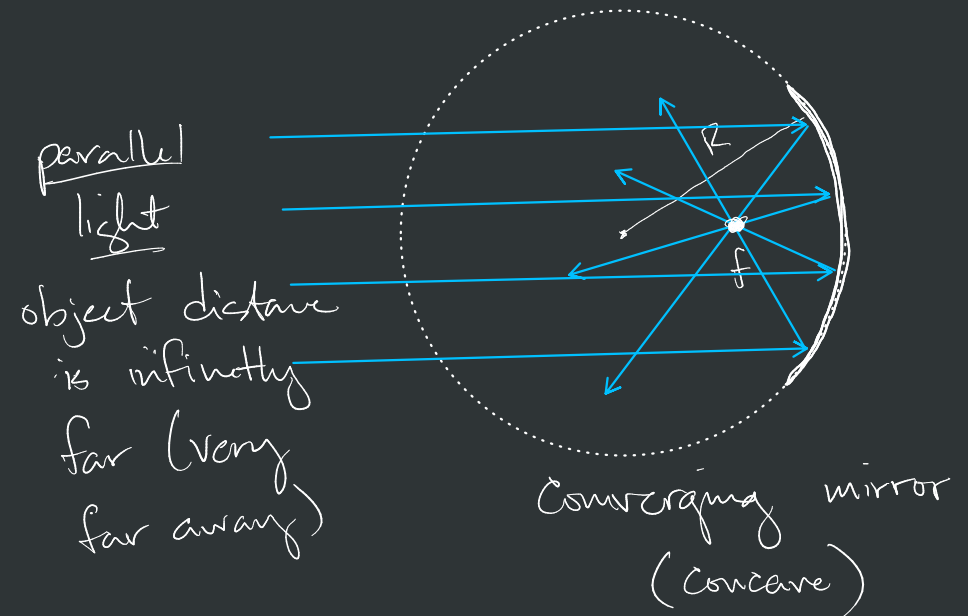
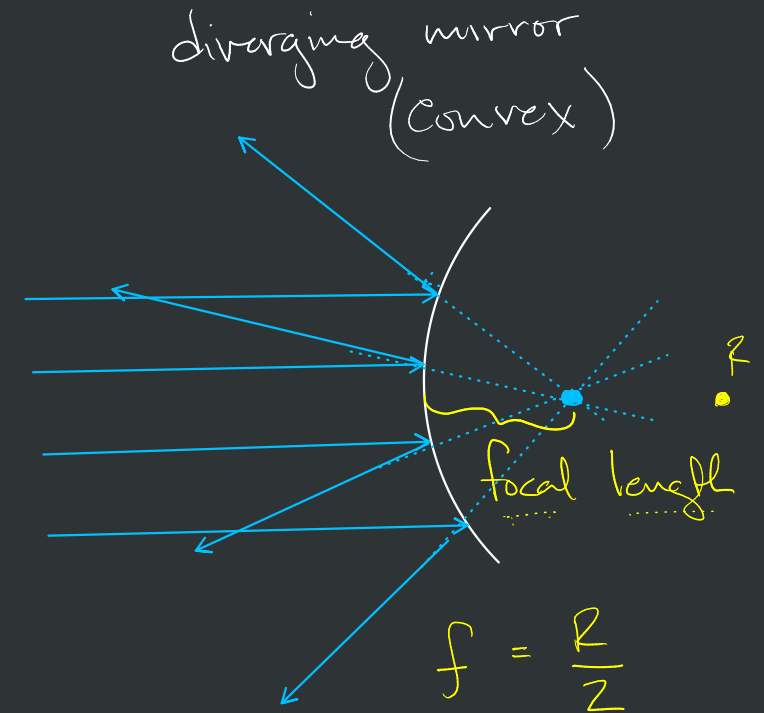
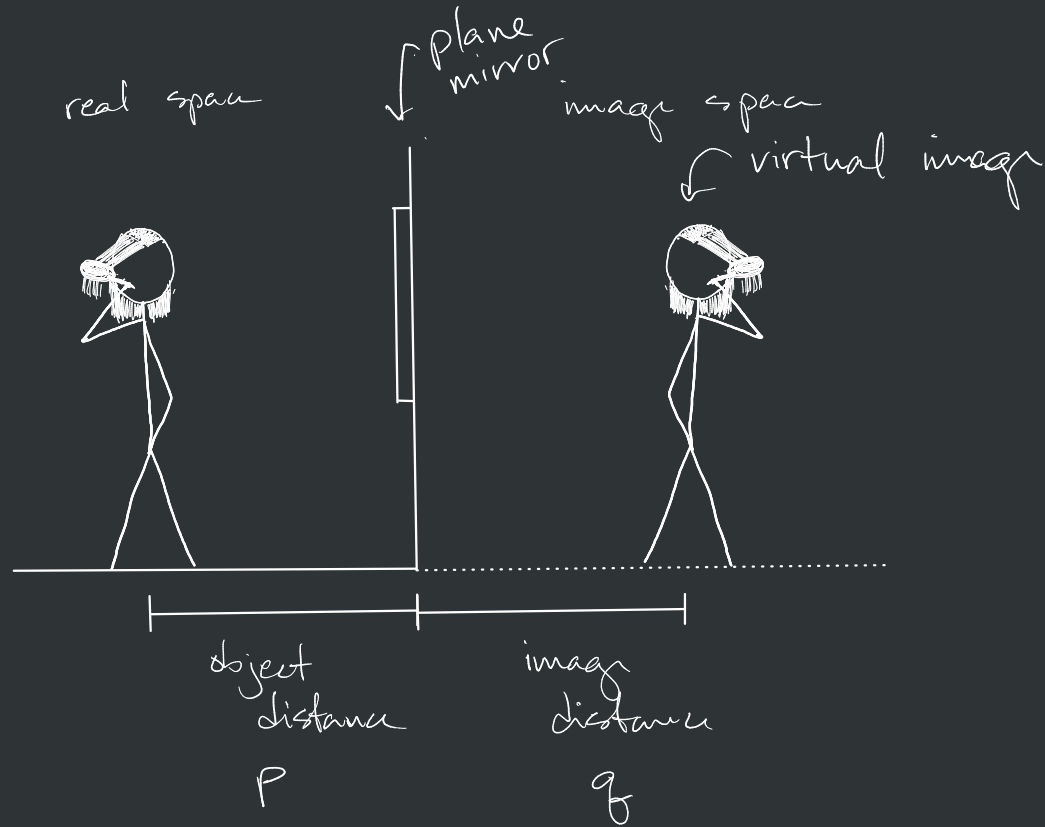
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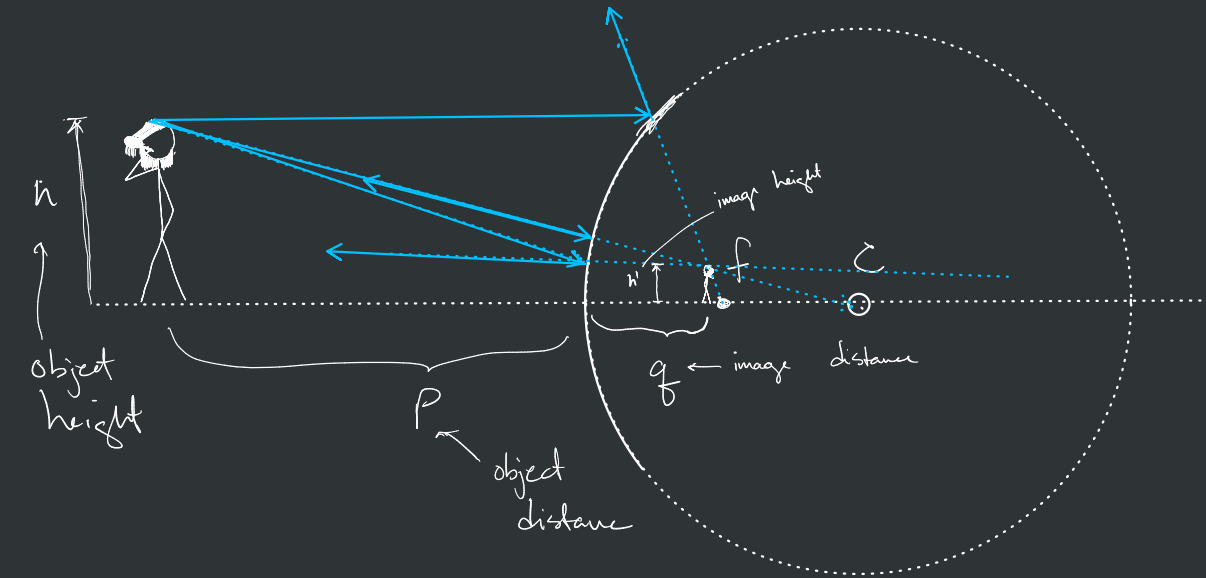


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After this you can

- find the image distance from a plane mirror
- discuss virtual and real images
- find the focal length of a spherically curved mirror





mirror equation

$$\frac{1}{p} + \frac{1}{q} = \frac{1}{f}$$

magnification equation

$$m = \frac{h'}{h} = -\frac{q}{p}$$



















