

QUESTIONS TO HAND IN – EXPERIMENT 12

NAME _____

LAB INSTRUCTOR _____ LAB DAY/TIME _____

1. If a light beam is incident onto a plane mirror and makes an angle of 30° with the mirror, what is the angle at which the beam is reflected from the mirror?
2. If a beam is incident normal (perpendicular to the surface) to a plane mirror, what is the angle of reflection?
3. Name some tip-offs that your mind recognizes when viewing a reflection that tells it that it truly is a reflection.
4. When a beam of light enters a body of water from the air at an angle through a level surface, does it bend toward or away from the normal line in the water?
5. Name some tip-offs that your mind recognizes when viewing a refracted image that tells it that it truly is a refraction.