**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.