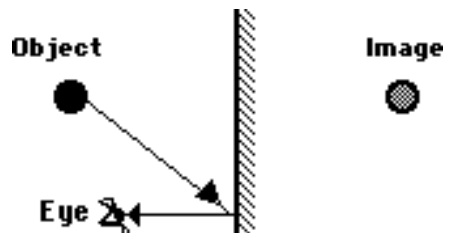
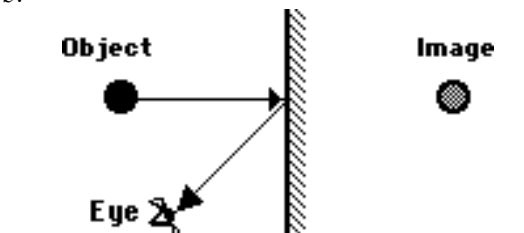


Reflection

Name: _____ Block: _____ Date: _____

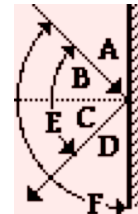
- Place a letter in the blank in order to classify the following objects as being either luminous (L) or illuminated (I) objects.
 _____ Sun _____ Moon _____ Person
 _____ Whiteboard _____ Light bulb _____ Candle
- These diagrams are intended to represent the path of light from an object to an eye as the eye sights at the image of the object. Each diagram is incorrect. Discuss what makes them incorrect.

<p>a.</p>  <p>Discussion: _____ _____ _____</p>	<p>b.</p>  <p>Discussion: _____ _____ _____</p>
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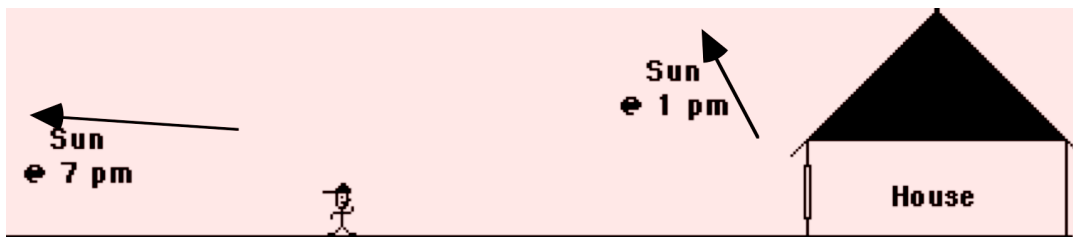
- State the law of reflection in the space below.

Consider the diagram at the right in answering the next three questions.

- The angle of incidence is denoted by angle ____.
- The angle of reflection is denoted by angle ____.
- If an incident ray of light makes an angle of 35° with the mirror surface then the angle of reflection is _____ $^\circ$.



- Why do windows of distant houses appear to reflect the sun only when rising or setting? Explain in words. Use the diagram to help, drawing appropriate light rays on the diagram.



- Use the law of reflection and the *embedded* protractor in order to draw the reflected ray associated with the given incident ray for the following plane mirror situations. (Markings are provided at 15° increments.)

