Regular and Diffuse Reflection

Name:_____

1. Describe, in your own words, the difference between diffuse reflection and regular reflection.

2. Draw a diagram to represent diffuse reflection.

3. Do the beams of light in diffuse reflection follow the law of reflection, which states that the angle of incidence is equal to the angle of reflection? Explain.

4. For each of the examples below, determine whether or not the situation is regular reflection or diffuse reflection.

   a) The image of trees can be seen clearly in a lake with calm water.

   b) Lights from a car are reflected off of a dry asphalt road.

   c) You look in a mirror and can see your reflection.

5. What is the smallest possible angle of incidence for a light ray travelling toward a mirror?

6. What is the largest possible angle of incidence for a light ray travelling toward a mirror?

7. Would is be easier to read from a magazine with glossy pages or with rough pages? Explain.