

32.5: Analysis

1. Based on your observations of the tape on the wall, does distance between light source and mirror affect the angle at which the light is reflected?
2. In which case was diffuse reflection modeled when you were bouncing the tennis ball, when the ball bounced from the floor or the milk crate?
3. Describe how the surfaces of the most reflective and least reflective items are different.
4. When the flashlight is shown through the air toward the wall, is more light seen in the air or on the wall? Explain why this happens.
5. Which shape (convex or concave) tends to produce an image that appears smaller than the object?
6. Which shape (convex or concave) tends to produce an image that appears larger than the object?

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