Reflection and Refraction Lesson Assessment, Part 1

(10 points)
1. The law of reflection states that the angle of incidence equals the angle of refraction. Define the angle of incidence in terms of a line normal to the surface.

The diagram below shows light striking a pane of glass. Some of the light is reflected, and some of the light is transmitted. The letters represent six different angles. Use the diagram to answer questions 6-9.

(10 points)
2. What is the value of angle D in degrees?

(10 points)
3. According to the law of reflection, which two angles must be equal?
(10 points)

4. Describe two places where refraction takes place.

(10 points)

5. Angle F is greater than angle C. What does this show about the speed of light in glass compared to the speed of light in air?