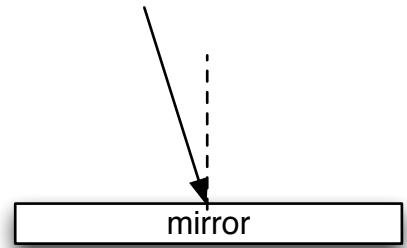
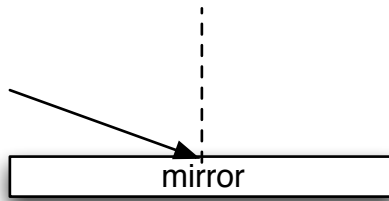
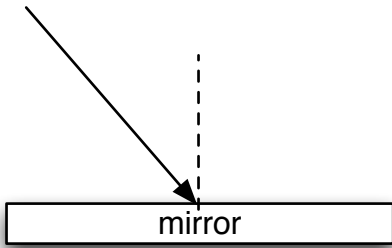
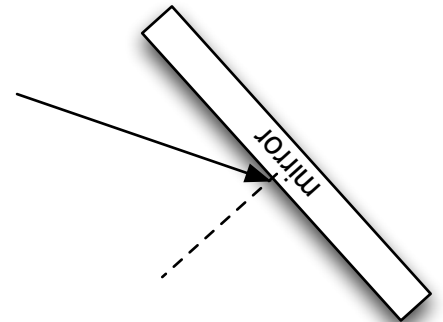
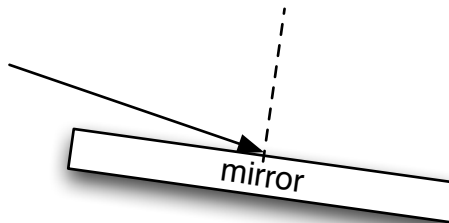
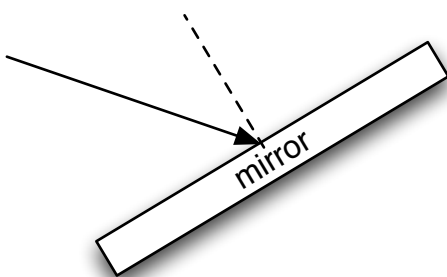


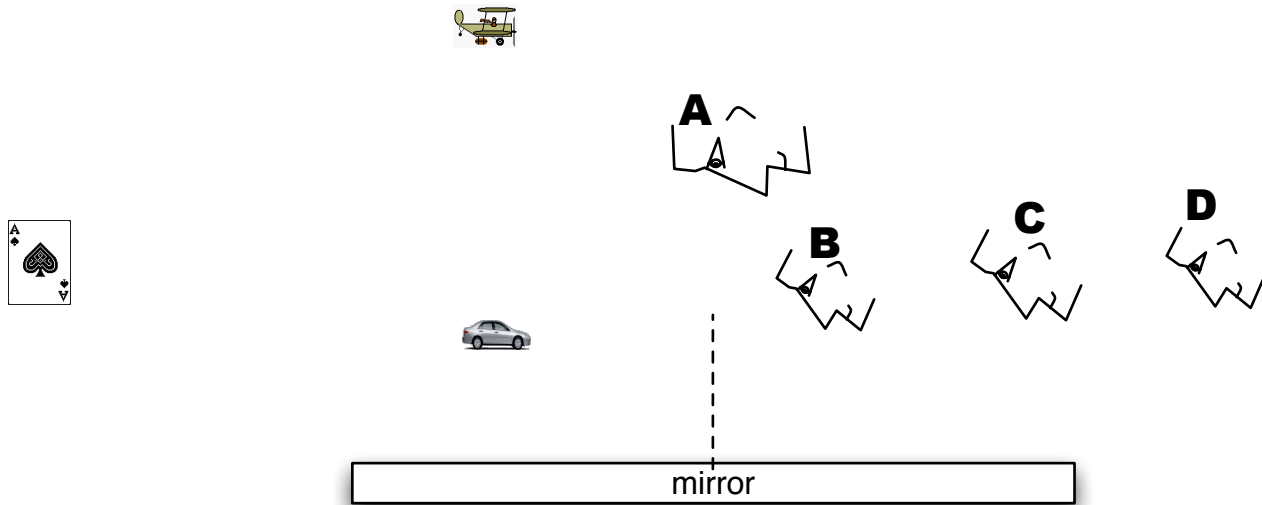
1. Below are some incoming rays of light at different angles. Draw the outgoing rays.



2. Below are three identical incoming rays of light hitting differently angled mirrors. Draw the outgoing rays.



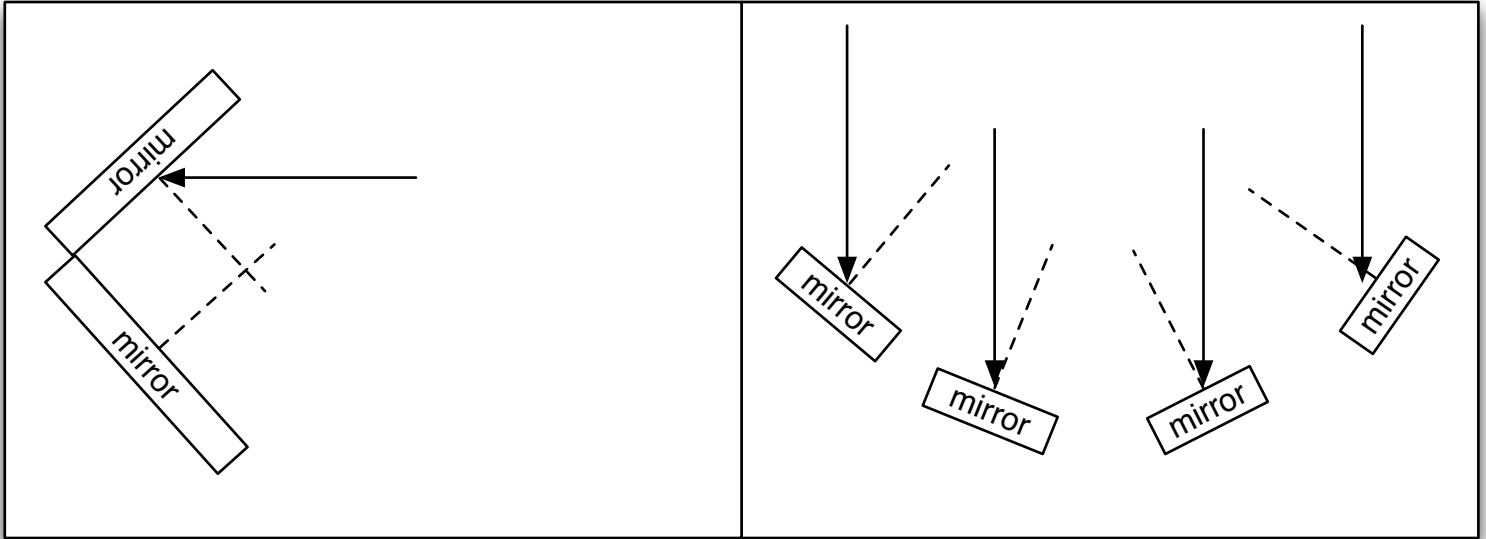
3. Draw rays of light from the objects on the left and show the bounced rays. What does each person see? (Write the answer next to their letter.)



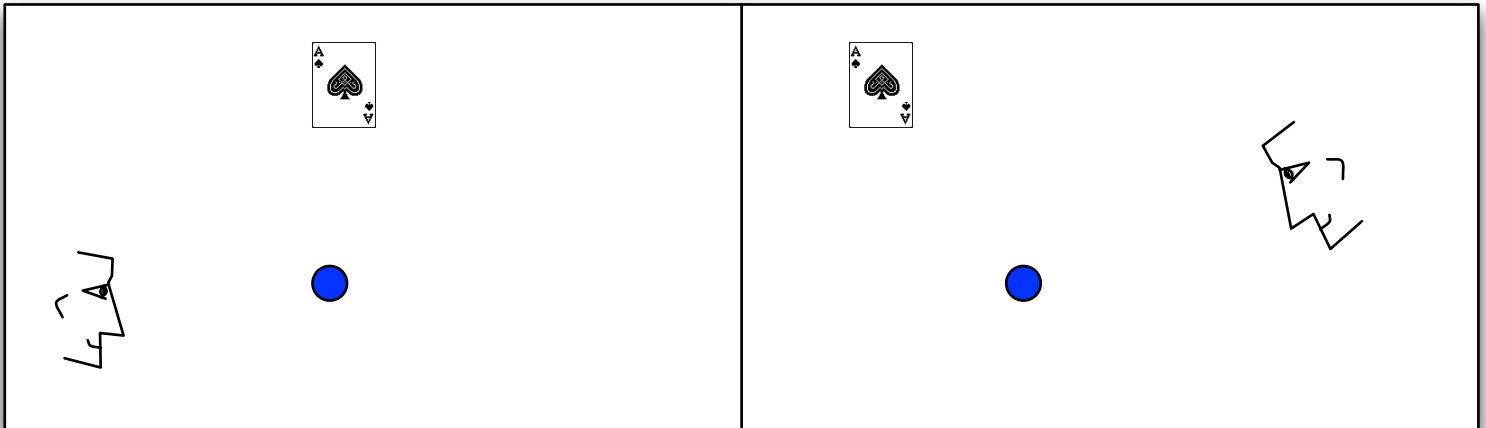
4. In general, where do you have to be to see yourself in a mirror?

5. If you can see someone's eyes in a mirror, what does that mean?

6. What do you think each set of mirrors designed to do?



7. (Tricky!) See if you can draw a mirror at the correct angle so that it bounces at the dot and the person can see the object.



8. (Very Tricky!) What is the smallest size mirror you would need to see your entire body? Would it have to be as tall as you? Support your answer with a ray diagram.

