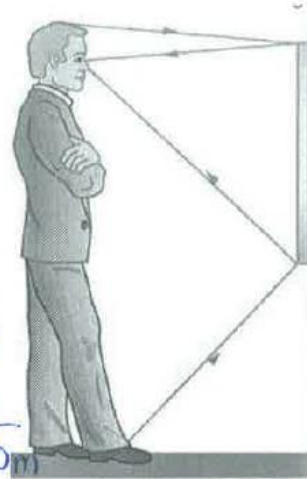
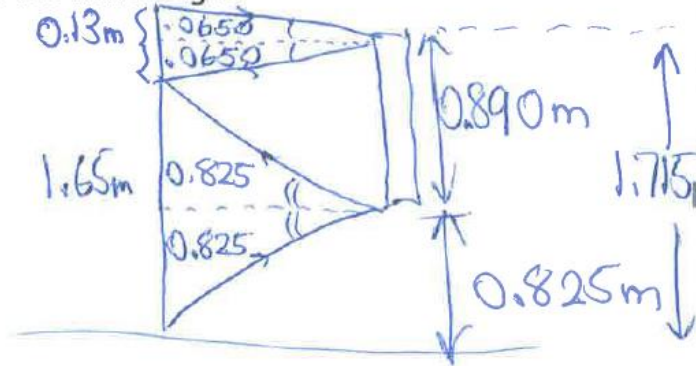


1. Suppose a man stands in front of a mirror. His eyes are 1.65 m above the floor, and the top of his head is 0.13 m higher. Find the height above the floor of the top and bottom of the smallest mirror in which he can see both the top of his head and his feet. How is this distance related to the man's height?



- a. How far from the top right corner pocket will the ball strike the side of the table after its first reflection? $11.4''$

- b. How far from the top left corner pocket will the ball strike the side of the table after its second reflection?

c. No

