

Firing My Laser Challenge

Laser light is directed along the vertical line as shown. A mirror is located at position X. How must the mirror be oriented in order for the laser light to bounce off the mirror and strike a target located at position ...

- a. ... _____ on the grid?
- b. ... _____ on the grid?

Draw the orientation of the mirror on the diagram for each case; label as "a" and "b". For each case, draw the normal line and the reflected ray. When finished, bring to your teacher in order to check your answer.

