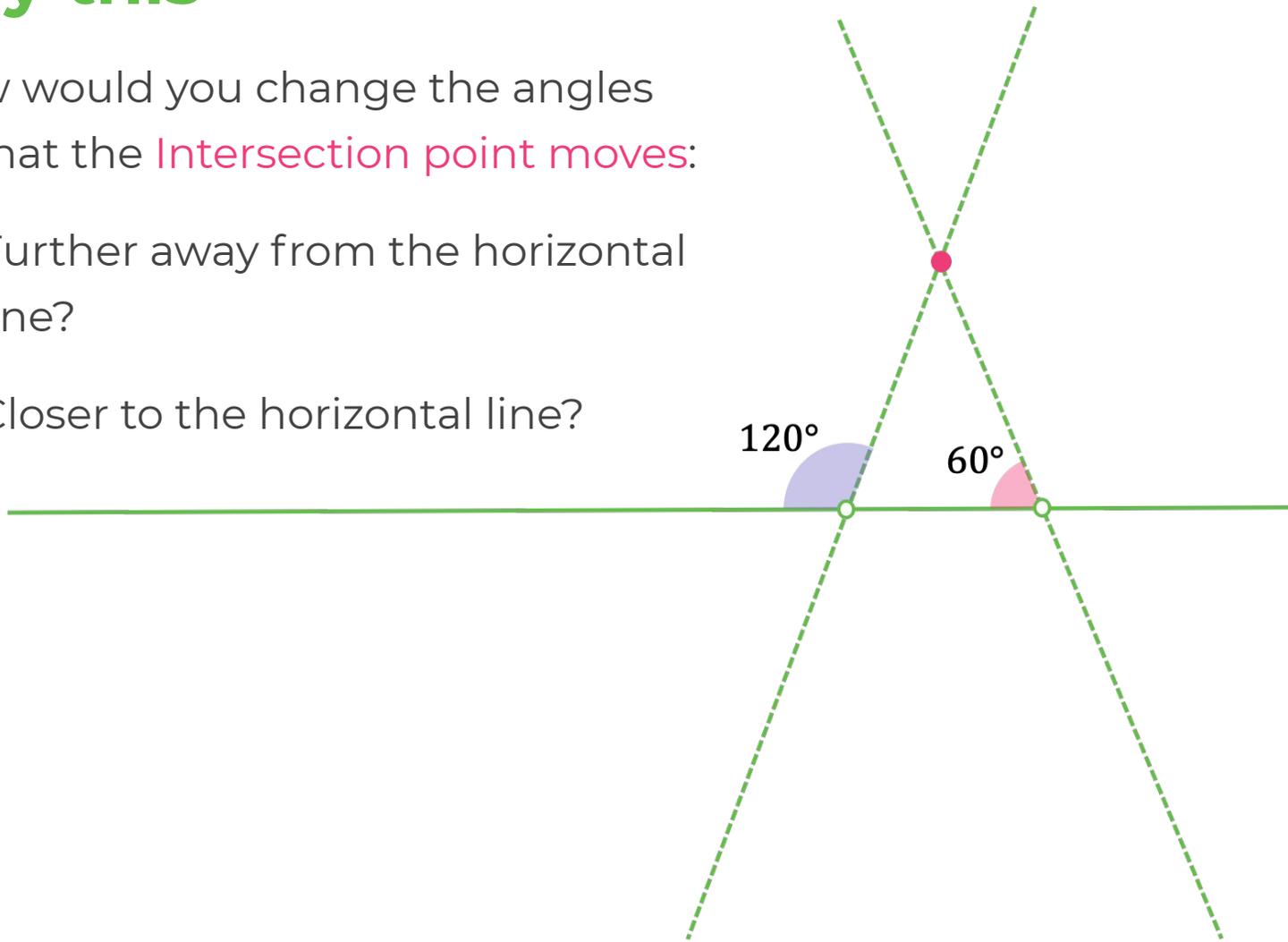


Try this

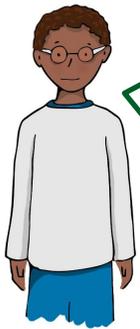
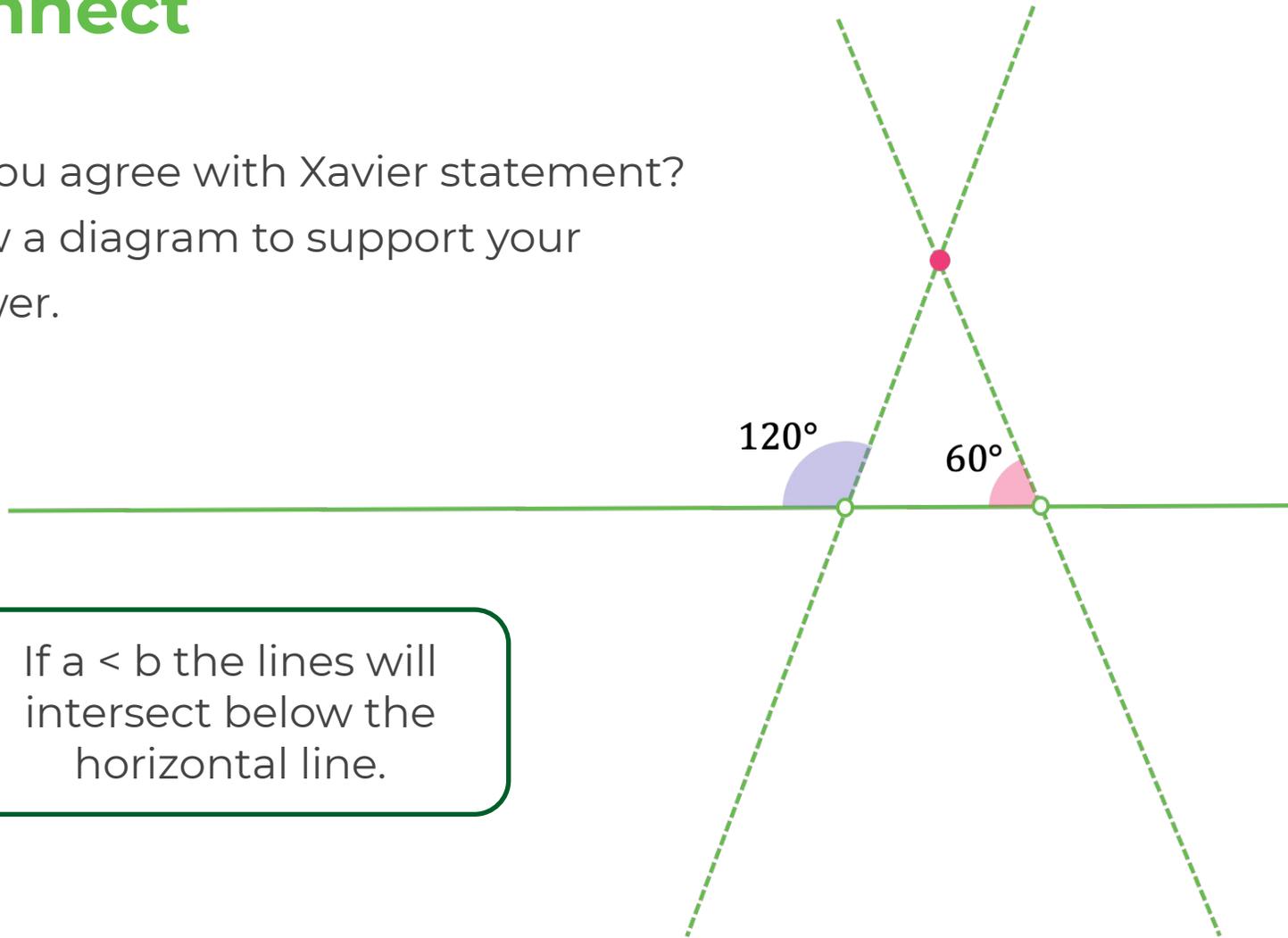
How would you change the angles so that the **Intersection point moves**:

- a) Further away from the horizontal line?
- b) Closer to the horizontal line?



Connect

Do you agree with Xavier statement?
Draw a diagram to support your
answer.

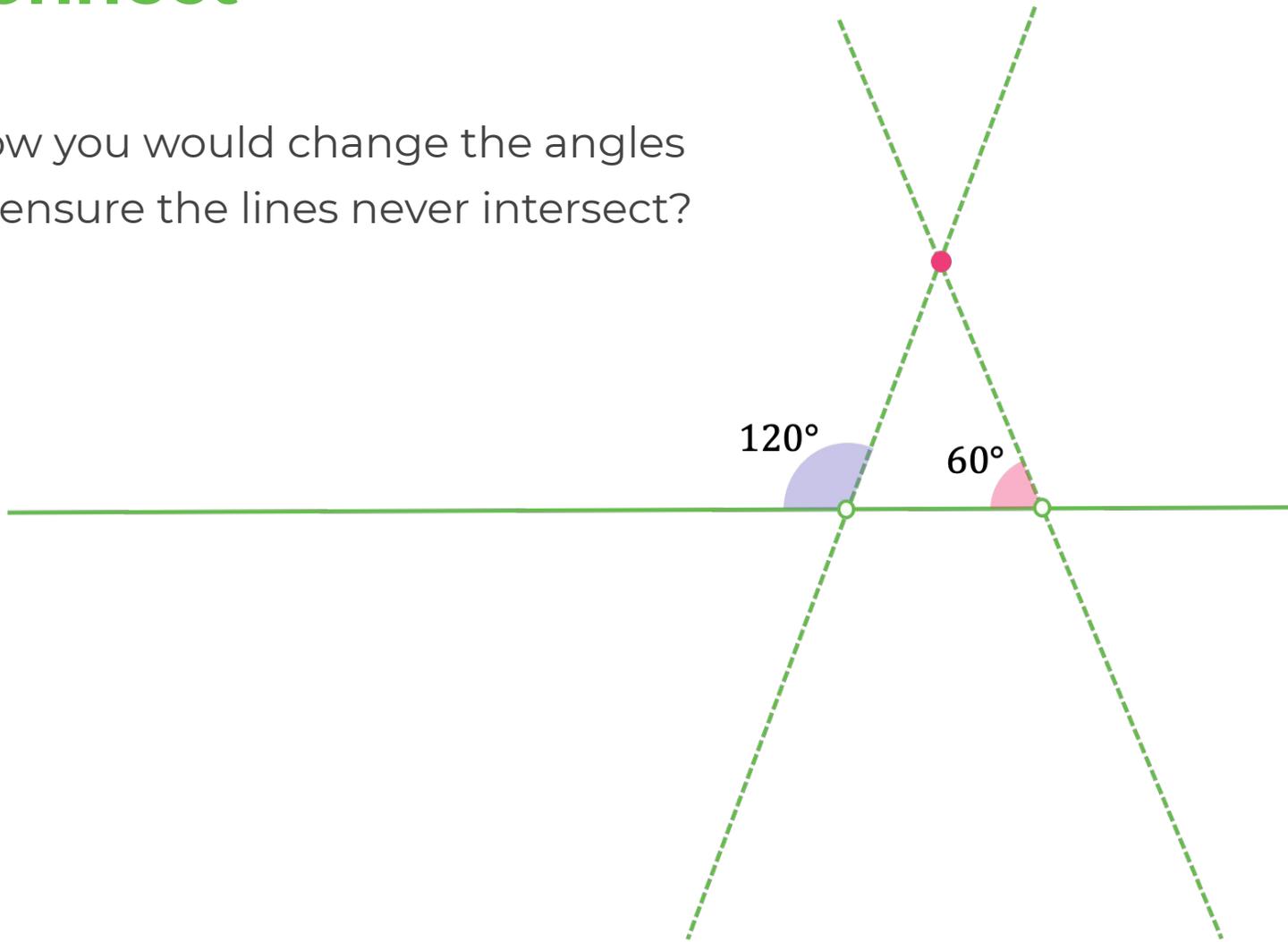


If $a < b$ the lines will
intersect below the
horizontal line.



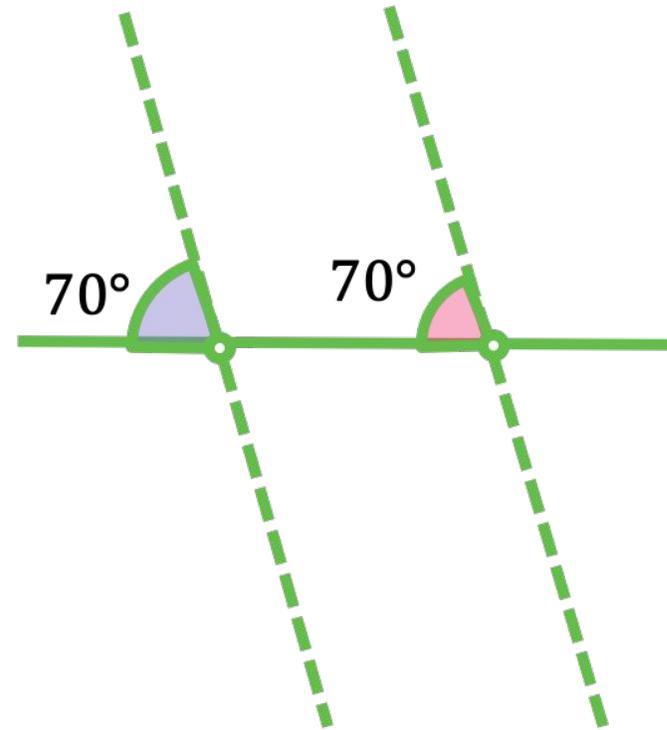
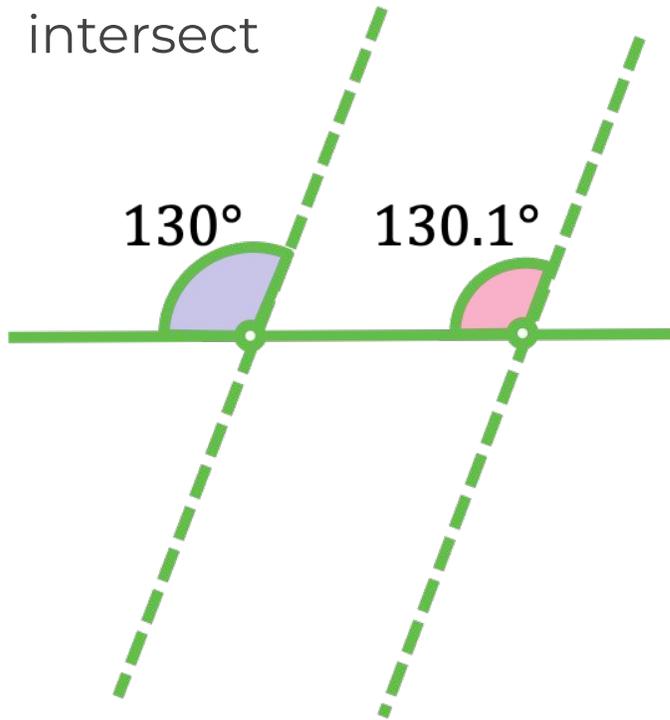
Connect

How you would change the angles to ensure the lines never intersect?



Connect

Decide whether or not each pair of lines will intersect

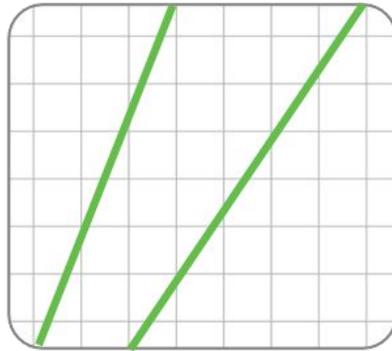
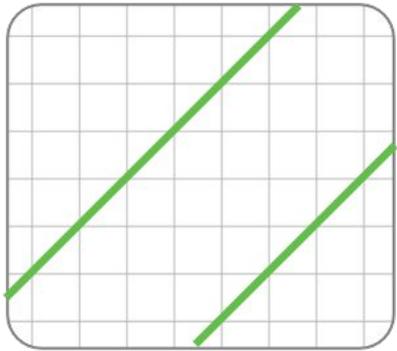


If they do intersect, describe where the intersection point is.



Independent task

1. Decide whether or not the pairs of lines are parallel.



2. Draw a line parallel to the one below

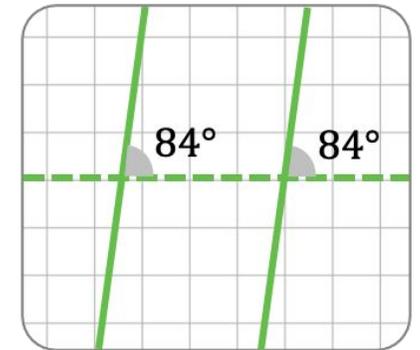
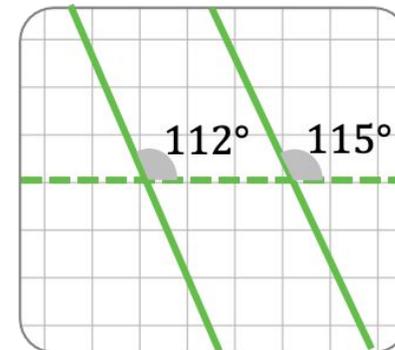
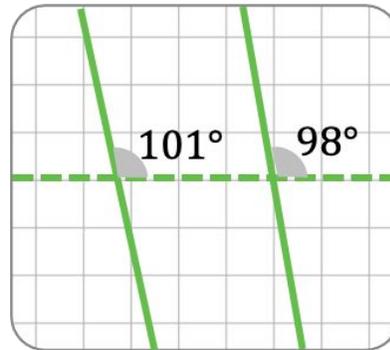


3. Match the descriptions to the diagrams

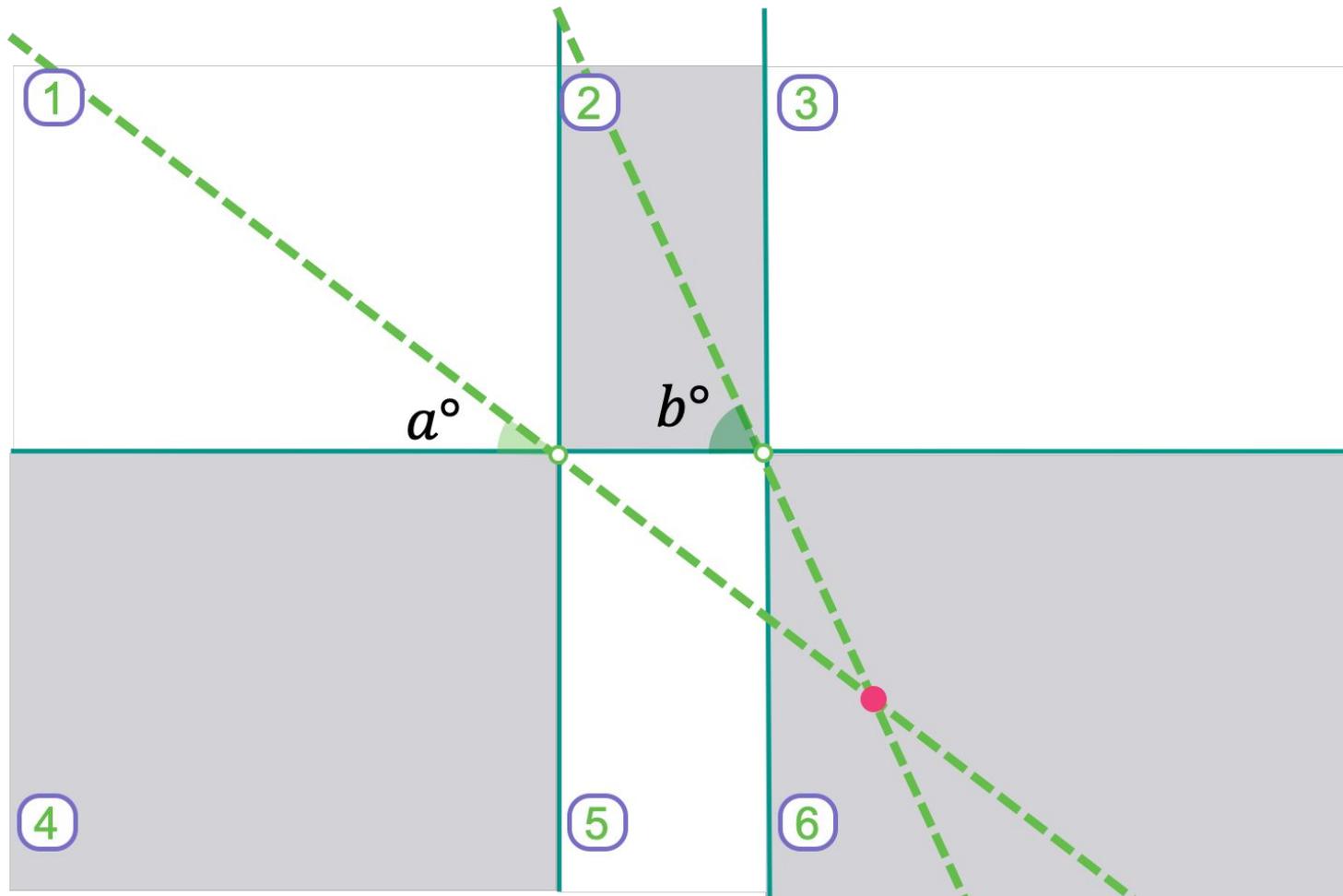
Intersection above the horizontal line

Do not intersect

Intersection below the horizontal line



Explore



1. Suggest values for angles a and b that makes the point of intersection lie in each region.
2. Suggest value for a and b that would make the two lines parallel.

