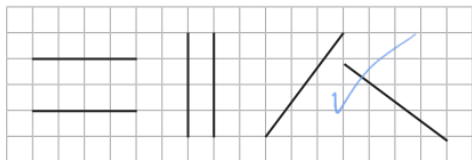


# Parallel and perpendicular

- 1 Tick the pairs of lines that are not parallel.

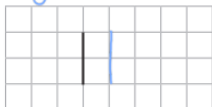


- 2 Here are two lines.  
Draw a line that is parallel to each.

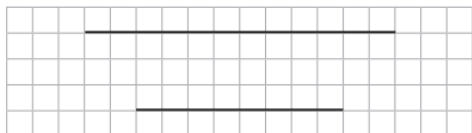
a) e.g.



b) e.g.

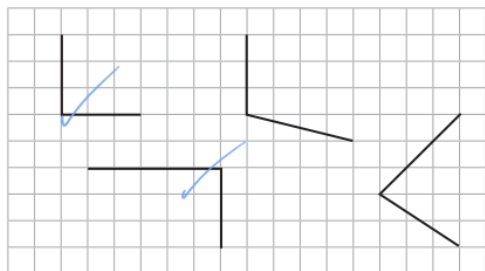


- 3 Amir says that the lines are not parallel because they are different lengths.



Is Amir correct? No

- 6 Tick the perpendicular lines.



- 7 Here are two lines. Draw a line that is perpendicular to each.

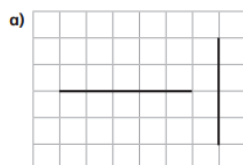
a) e.g.



b) e.g.



- 8 Alex has drawn some lines on grids.

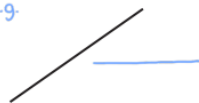


The lines are not perpendicular because they don't meet.

Do you agree with Alex? No

- 4 a) Here is a line. Draw a line that is **not** parallel to it.

e.g.



- b) Here is a line. Draw a line that is parallel to it.

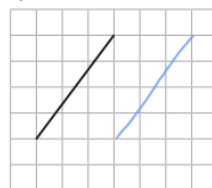
e.g.



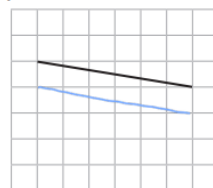
- 5 Here are two lines.

Draw a line that is parallel to each.

a)



b)



Talk to a partner about how you did it.

b)

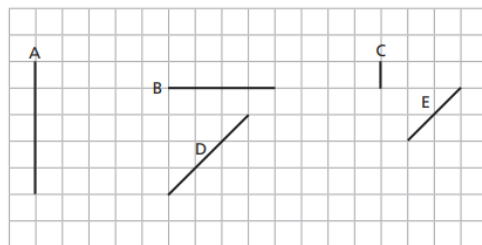


The lines are parallel because they don't meet.

Do you agree with Alex? No

Talk about your answers with a partner.

- 9 Five lines are drawn on the grid.



- a) Which two pairs of lines are parallel?

A and C & D and E

- b) Which two pairs of lines are perpendicular?

A and B & B and C