1) Complete the sentences:

Straight lines that never meet and stay the same distance apart are called _____ lines.

Straight lines which meet at a right angle are called _____ lines.

2) Write the number of pairs of parallel and perpendicular lines you can see in each shape.
Mark the right angles for the perpendicular lines.

pairs of parallel lines: _____

pairs of perpendicular lines: _____



pairs of parallel lines: _____

pairs of perpendicular lines: _____



pairs of parallel lines: _____

pairs of perpendicular lines: _____



1) Robin wants to draw parallel lines.

Which points should he join up to create a pair of parallel lines? _____

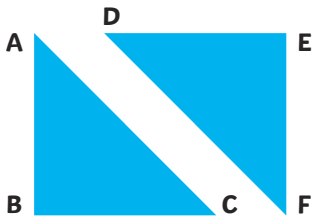


He says, "If I draw a line from A to D, and one from B to C, the lines will be perpendicular to each other."

Is he correct? _____
Prove it on the picture!

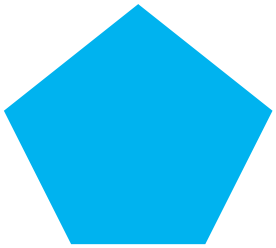
2) Tick the correct statements:

- ☐ Line AC is parallel to line DF.
- ☐ Line DE is perpendicular to line EF.
- ☐ Line AB is perpendicular to line AC.
- ☐ Line AB is parallel to line EF.



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1) This pentagon has no parallel lines. Can you explain, or show on the diagram, how you know?



2) Draw a picture of a house which has at least three pairs of parallel lines and three pairs of perpendicular lines.