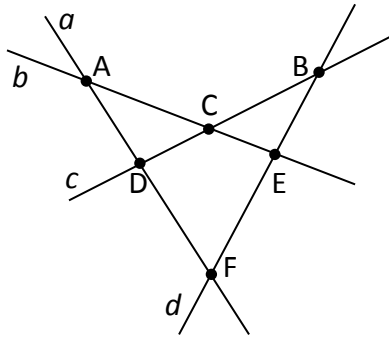


Answer on Question#43079-Math-Geometry

Question

1. There are four lines
 2. Any two distinct lines must intersect at one point
 3. Each point is on exactly 2 lines
- How can I draw this figure?

Answer



1. There are 4 lines **a**, **b**, **c** and **d** and 6 intersection points **A**, **B**, **C**, **D**, **E** and **F**.
2. Lines **a** and **b** intersect at one point **A**;
Lines **a** and **c** intersect at one point **D**;
Lines **a** and **d** intersect at one point **F**;
Lines **b** and **c** intersect at one point **C**;
Lines **b** and **d** intersect at one point **E**;
Lines **c** and **d** intersect at one point **B**.
3. Point **A** is exactly on two lines **a** and **b**;
Point **B** is exactly on two lines **c** and **d**;
Point **C** is exactly on two lines **b** and **c**;
Point **D** is exactly on two lines **a** and **c**;
Point **E** is exactly on two lines **b** and **d**;
Point **F** is exactly on two lines **a** and **d**.