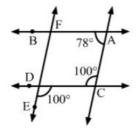


Lines and angles Ex 14.2 Q29

Answer:

Let F be the point of intersection of line CD and the line passing through point E.

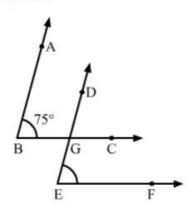


Since \angle ACD and \angle CDE are alternate and equal angles, so \angle ACD = 100° = \angle CDE

∴ AC || EF

Lines and angles Ex 14.2 Q30

Answer:



Construction: Let G be the point of intersection of lines BC and DE.

· AB || DE and BC || EF

 $\therefore \angle ABC = \angle DGC = \angle DEF = 75^{\circ}$ (Corresponding angles)

******* END *******