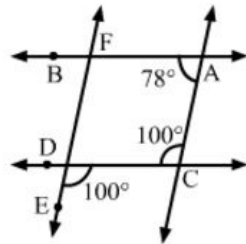Lines and angles Ex 14.2 Q29

Answer :

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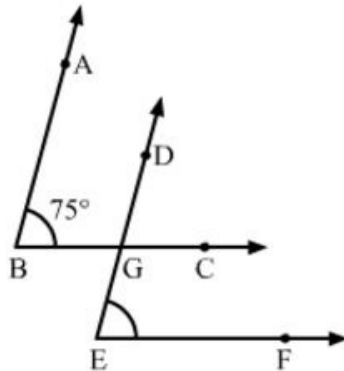

Since ∠ACD and ∠CDE are alternate and equal angles, so

∠ACD = 100° = ∠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

∴ $\angle ABC = \angle DGC = \angle DEF = 75°$ (Corresponding angles)

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