

Chapter 10 – Reasoning and Proof

10-1 Postulates and paragraph proofs

In the figure at the right, \overleftrightarrow{CD} and \overleftrightarrow{CE} lie in plane P and \overleftrightarrow{DH} and \overleftrightarrow{DJ} lie in plane Q . State the postulate that can be used to show each statement is true.

34. Points C and B are collinear.

35. \overleftrightarrow{EG} contains points E , F , and G .

36. \overleftrightarrow{DA} lies in plane P .

37. Points D and F are collinear.

38. Points C , D , and B are coplanar.

39. Plane Q contains the points C , H , D , and J .

40. \overleftrightarrow{AC} and \overleftrightarrow{FG} intersect at point E .

41. Plane P and plane Q intersect at \overleftrightarrow{CD} .

