

Chapter 10 – Reasoning and Proof

10-1 Postulates and paragraph proofs

In the figure at the right, \overrightarrow{CD} and \overrightarrow{CE} lie in plane P and \overrightarrow{DH} and \overrightarrow{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. \overrightarrow{EG} contains points E , F , and G .

36. \overrightarrow{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. \overrightarrow{AC} and \overrightarrow{FG} intersect at point E .

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

