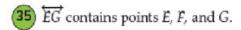
Chapter 10 - Reasoning and Proof

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.





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

