Geometry H **NAME:_____**
Mrs. Diaz **DATE: _____**

UNIT #1 **ASSIGNMENT #4: Sometimes, Always, Never Practice**

OBJECTIVE: S.W.B.A.T. decide whether the statements *always, never or sometimes* happen.

Partner work: Complete with *always, sometimes,* or *never*. Make sure to explain your answer fully.

1) Three points _____ determine a plane.

2) Two points _____ lie in exactly one line.

3) Three points _____ lie in exactly one line.

4) Three collinear points _____ lie in exactly one plane.

5) Two planes _____ intersect.

6) Two intersecting planes _____ intersect in exactly one point.

7) Two intersecting lines _____ intersect in exactly one point.

8) Two lines _____ intersect in exactly one point.

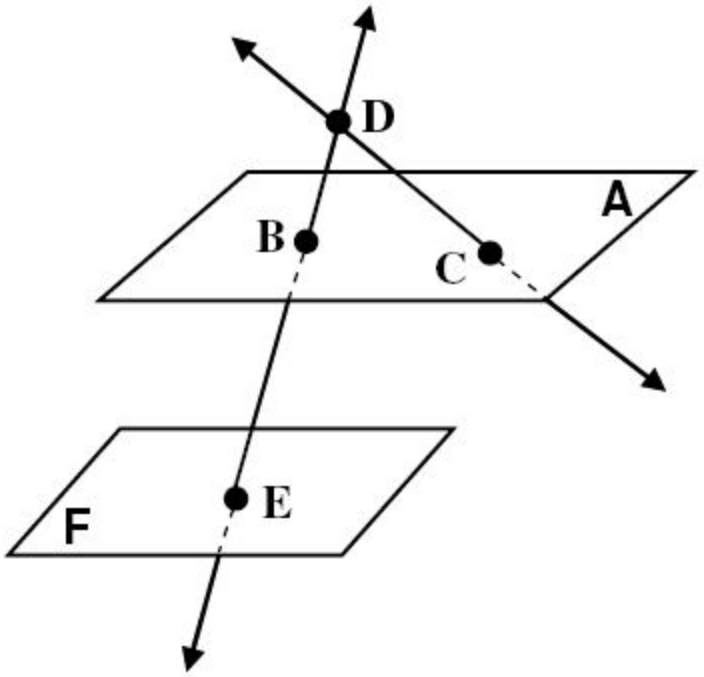
9) Two intersecting lines _____ lie in exactly one plane.

10) A line and a point not on that line _____ lie in more than one plane.

11) A line _____ contains exactly one point.

12) When A and B are in a plane, $\overleftrightarrow{AB}$ is _____ in that plane.

Use the diagram to the right.



a. Name the intersection of line $\overline{BE}$ and line $\overleftrightarrow{CD}$.

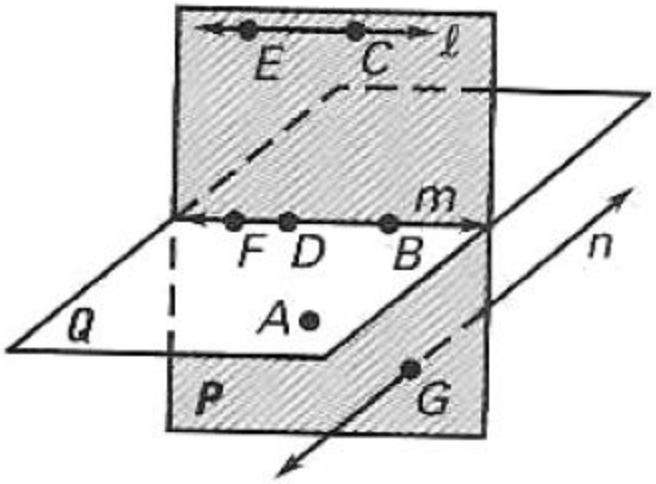
b. Name the intersection of line $\overleftrightarrow{BE}$ and plane A.

c. Name the intersection of line $\overleftrightarrow{DB}$ and plane F.

d. Name the intersection of plane A and F.

Use the diagram to the right. Be sure to use correct notation.

a. Name any four points.



b. Name any two lines.

c. Name all the points on plane P.

d. Name three collinear points

e. Name the plane that contains point A

f.. Decide whether the following statement is true or false.

"Points F, D, and B are coplanar."