Name: _____ Date: _____ Row: _____ Period: _____

CHAPER 1 – FOUNDATIONS FOR GEOMETRY

NOTES SECTION 1.1: UNDERSTANDING POINTS, LINES, AND PLANES

UNDEFINED TERMS		
POINT	**LINE**	**PLANE**

VOCABULARY TERMS		
LINE SEGMENT	**RAY**	**OPPOSITE RAYS**
ENDPOINT	**COLLINEAR POINTS**	**NONCOLLINEAR POINTS**

COPLANAR	**NONCOPLANAR**

Lines intersect in a _____.

Planes intersect in a _____.

1-13: Classify each statement as true or false.

1) $\overrightarrow{AD}$ and $\overrightarrow{AG}$ are opposite rays.

2) $\overline{CB}$ is the same as $\overline{BC}$.

3) $\overrightarrow{CB}$ is the same as $\overrightarrow{BC}$.

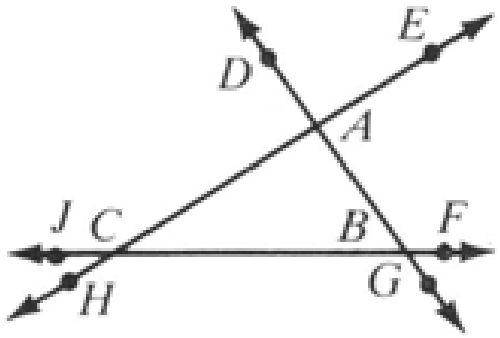
4) $\overleftrightarrow{CB}$ is the same as $\overleftrightarrow{BC}$.

5) $\overline{CB}$ is the same as $\overleftrightarrow{BC}$.

6) $\overleftrightarrow{JF}$ is the same as $\overleftrightarrow{CB}$.

7) $\overrightarrow{BA}$ is the same as $\overrightarrow{BD}$

1-7:



8) $\overleftrightarrow{PF}$ ends at *P*.

9) Point *S* is on an infinite number of lines.

10) A plane has no thickness.

11) Planes have edges.

12) Points have no size.

13) Line *XY* can be denoted as $\overleftrightarrow{XY}$ or $\overleftrightarrow{YX}$.

14) How many endpoints does a segment have?

15) How many endpoints does a ray have?

16) How many endpoints does a line have?