Name:		Teacher:	Date:
Points, Lines, a			
A Point: is simply a	Example:		
Drawn as a			
Named by a	letter.		
Words/Symbols:			
A Line: is made up of	and has no thickness	or	
Drawn with an	at each end.		
Named by the	representing two p	oints on the line or a lowercas	e script letter.
Points on the same _	are said to be	·	
Words/Symbols: Exa r	nple:		
<u>A Plane</u> : is a surface	made up of		
Drawn as a	4-sided figure.		
Named by a	script letter or by the	letters naming three	points.
Points that lie on the	same plane are said to be	·	
Words/Symbols:			
Example:			

Points, Lines, and Planes

Guided Notes: STUDENT EDITION

Example #1: Use the figure to name each of the following.

Name a line that contains point P.

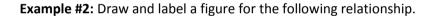
Name the plane that contains lines n and m.

Name the intersection of lines n and m.

Name a point not on a line.

What is another name for line n.

Does line *l* intersect line *n* or line *m*? Explain.



a.) Point T lies on WR. b.) AB intersects CD in plane Q at point P.

Example #3:

- a.) How many planes appear in this figure?
- b.) Name three points that are collinear.
- c.) Are points A, B, C, and D coplanar? Explain.
- d.) At what point do and CA intersect? DB

