CLASS

DATE

PRACTICE WORKSHEET - Points, Lines & Planes

A point has no size. It is named using a capital letter. All the figures below contain points.

Point P		
or	•	Ρ
pt. P		

Figure	Characteristics	Diagram	Words and Symbols
line	0 endpoints	3	line AB or \overrightarrow{AB}
-	extends forever in two directions	A B	
line segment	2 endpoints		segment XY or \overline{XY}
or segment h	has a finite length	X Y	
ray	1 endpoint		ray RQ or RQ
	extends forever in one direction	. Q R	A ray is named starting with its endpoint.
plane	extends forever in all directions	V *F	plane <i>FGH</i> or plane $\mathcal V$

Draw and label a diagram for each figure.

1. point W

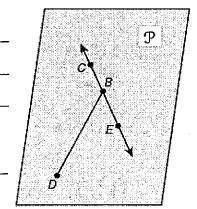
2. line MN

3. *JK*

4. ĒĒ

Use the figure for Exercises 5-11.

- 5. Name a plane.
- 6. Name a segment.
- 7. Name a line. ______
- 8. Name three collinear points.
- 9. Name three noncollinear points.



- 10. Name the intersection of a line and a segment not on the line.
- 11. Name a pair of opposite rays.