Name VU	_Class	_Date
1 2 Practice		Form K
Points, Lines, and Planes		
Use the figure at the right for Exercises 1-4. No pierces the plane at X. It is not coplanar with V.  1. What are two other ways to name $\overrightarrow{QX}$ ?  To start, remember you can name a line by any ? point(s) on the line or by ? lowercase lett Two other ways to name $\overrightarrow{QX}$ are line ? and	XQ QR wres/	Zo X Q s
3. Name three collinear points.  • Q • R • X	c Plane XQZ ·X ·Q	
5. Name six segments in the figure. To start, remember that a segment is part of a line that consists of ? endpoints.  Six segments are $\overline{AB}$ , $\overline{BC}$ , ?, ?, and $\overline{CD}$ , $\overline{CVD}$ , $\overline{AC}$	? <del>A</del> D	CD
6. Name the rays in the figure.  7. a. Name the pairs of opposite rays with sudpoint b. Name another pair of opposite rays.  For Exercises 8-12, determine whether each star sometimes, or never true.	TEA tement is always,	
<ul> <li>8. Plane ABC and plane DEF are the same plane.</li> <li>9. DE and DF are the same line.</li> <li>SOMETIMES</li> <li>10. Plane XYZ does not contain point Z.</li> </ul>	<u>.</u> S	

sometimes

11. All the points of a line are coplanar.

OM WOUNS

12. Two rays that share an endpoint form a line.

## 1-2

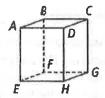
## Practice (continued)

Form K

Points, Lines, and Planes

Use the figure at the right for Exercises 13-21.

Name the intersection of each pair of planes. To start, identify the points that both planes contain.



13. planes DCG and EFC

14. planes EFG and ADH

15. planes BCG and ABF

Name two planes that intersect in the given line. To start, identify the planes that contain the given line.

16. CD

17. DH

18 17

Plane AEF

Plane ABC IPlaneCDG ADH PlaneCDG Plane EFG
Copy the figure. Shade the plane that contains the given points.

19. A, B, C

20. C, D, H

21. E, H. B



Postulate 1-4 states that any three noncolline... points lie in one plane. Find the plane that contains the first three points listed. Then determine whether the fourth point is in that plane. Write coplanar or noncoplanar to describe the points.

22. P, T, R, N

23. P. O. S. N

coblanon

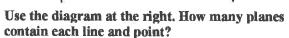
coplanox

**24.** T, R, N, U

25. P, O, R, S

noncoplanav

noncoplanax



**26.**  $\overrightarrow{KL}$  and G

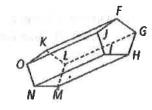
27. HM and F

0

28.  $\overrightarrow{JI}$  and G

29.  $\overrightarrow{NM}$  and M

2



Τ.