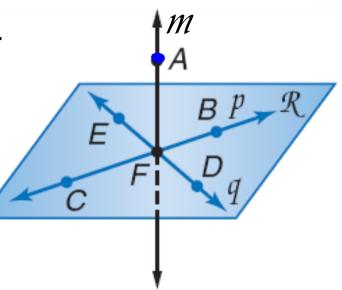
8/27/19 - Warm Up Problem

1. Name the intersection of lines p and q.





4. What is another way to name line p?

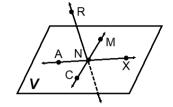


Concept 1 Worksheet - due Friday

POINTS LINES AND PLANES

Use the figure below for Exercises 1–8. Note that \overline{RN} goes through the plane at N.

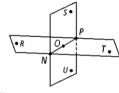
- **1.** What is the intersection of \overrightarrow{CM} and \overrightarrow{RN} ?
- 2. Name three points that are collinear.
- **3.** What is another way to name plane *V*?
- **4.** What is another way to name \overrightarrow{CM} ?
- **5**. Which point is not contained in Plane *V*?
- 6. Name the line that contains point A.



- 7. Is it possible for one line to be shorter in length than another? Explain.
- **8.** Two points are in Plane *P*. Explain why the line containing the two points must also be in Plane *P*.

Postulate 1-4 states that any three noncollinear 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.

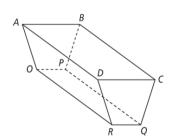
- 9. P, T, R, N
- **10**. P, O, S, N
- **11.** *T, R, N, U*
- 12. P, O, R, S



Name the intersection of each pair of planes or lines.

Remember: Two lines intersect in exactly 1 point, but two planes intersect in exactly 1 line.

- 13. planes AOR and QRO
- **14.** \overrightarrow{RQ} and \overrightarrow{RO}
- 15. planes ADR and DCQ
- 16. planes BCD and BCQ
- **17**. \overrightarrow{OP} and \overrightarrow{QP}
- 18. planes ABP and BCD

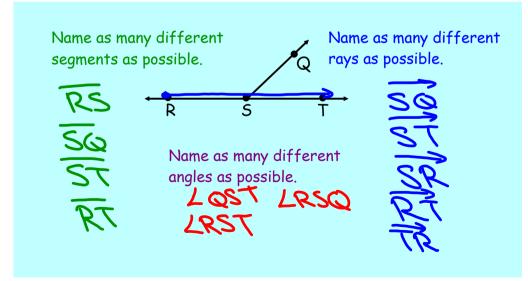


Concept 1 - Define Geometric Figures

Goal: Define and name segments, rays, and angles. Use the figures we have already learned to define more related geometric figures.

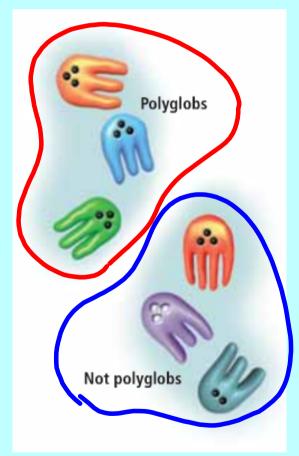
More Basic Geometric Figures

SEGMENT	R	Named by the letters of its endpoints - must use segment symbol	A part of a line consisting of 2 endpoints and all the points in between.
RAY	P	Named by its endpoint followed by one other point on the ray - must use ray symbol	A part of a line consisting of 1 endpoint and all the points that lie on one side.
ANGLE	77	Named by 3 points. - must use angle symbol - vertex must be in the middle Also can be named with a number.	Two rays that share an endpoint.



Tips for Writing a Good Definition

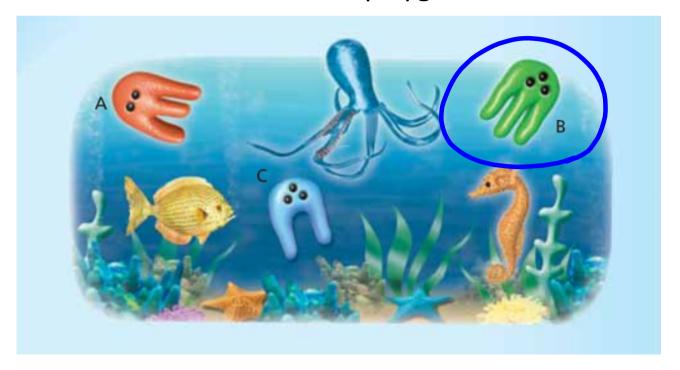
- be precise
- use commonly understood or already defined terms
- your definition should not fit any counterexamples



Define a polyglob.

a creature w/ 3 black eyes and 3 same length legs

Which ones are polyglobs?



Was your definition precise enough?

Put your name on the front of your note-taking guide.		
Put it in the basket on the back table.		
I will hand your notes back to you tomorrow.		
No assignment today!		