CORRECTIVE ASSIGNMENT **NAME:**_____

1.1 POINTS, LINES, and PLANES **DATE:**_____

Use the figure on the right to answer 1-4.

1. Name a ray.
2. Name a line segment.
3. Name a pair of opposite rays.
4. Draw $\overleftrightarrow{SZ}$ on the figure.

5. Classify each as true or false.

a) T or F $\overleftrightarrow{XY}$ intersects plane M at point O.

b) T or F Plane M intersects $\overleftrightarrow{XY}$ in more than one point.

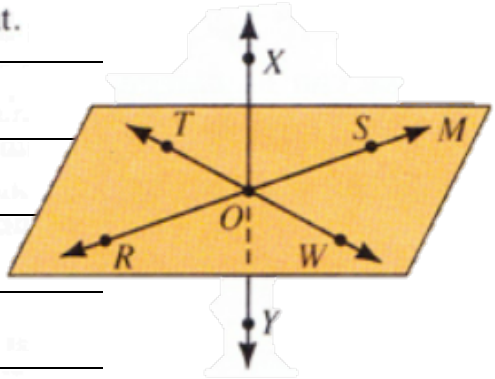
c) T or F T, O, and R are collinear.

d) T or F X, O, and Y are collinear.

e) T or F R, O, S, and W are coplanar.

f) T or F R, S, T, and X are coplanar.

g) T or F R, X, O, and Y are coplanar.



6. Does a plane have edges?

7. Can a given point be in two lines? in ten lines?

8. Can a given line be in two planes? in ten planes?

Use the figure on the right to answer 9-16.
NOTE: Line j intersects plane S at point T. Point M is not coplanar with plane S.

9. Name 3 collinear points.

10. Name 4 coplanar points

11. Name $\overrightarrow{PT}$ another way.

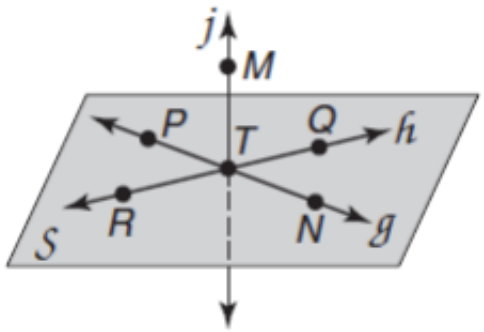
12. What is the intersection of $\overrightarrow{RQ}$ and line g ?

13. Draw $\overleftrightarrow{PR}$ on the figure.

14. Name a pair of opposite rays.

15. Name plane S another way.

16. Bob says "points P, R, M are coplanar" Sarah says "points P, R, M are not coplanar" Who is correct? Explain why.



17. **Classify each as true or false.**

a) T or F $\overleftrightarrow{AB}$ is in plane R.

b) T or F S contains $\overleftrightarrow{AB}$.

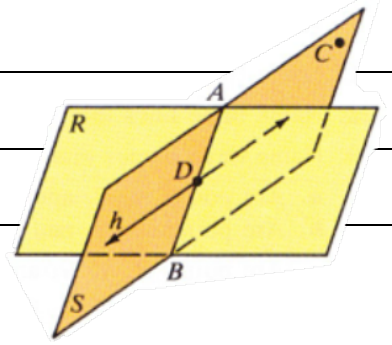
c) T or F D is on line h.

d) T or F Plane R intersects plane S in $\overleftrightarrow{AB}$.

e) T or F Point C is in R and S.

f) T or F A, B, and C are collinear.

g) T or F A, B, C, and D are coplanar.



Use the figure on the right to answer 13-18.

18. Name 4 coplanar points.

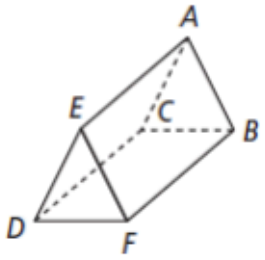
19. Name 4 non-coplanar points.

20. What is the intersection of plane *ABC* and plane *DEF*?

21. Shade plane *DEA* on the figure.

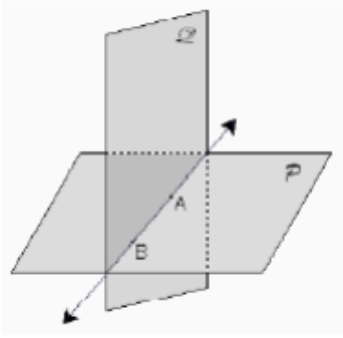
22. Name a segment with one endpoint at point *C*.

23. Bob says "$\overrightarrow{ED}$ and $\overrightarrow{EF}$ are opposite rays"
Sarah says "$\overrightarrow{ED}$ and $\overrightarrow{EF}$ are not opposite rays"
Who is correct? Explain why.



Use the figure on the right to answer 19.

24. Name the intersection of plane *P* and plane *Q*.



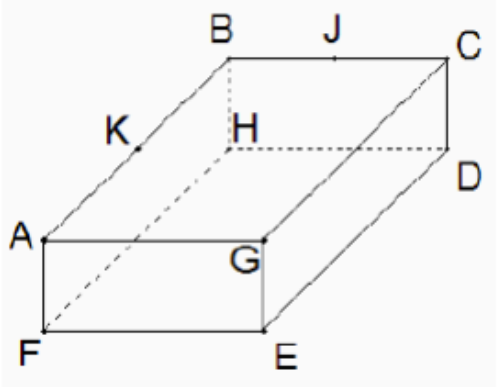
Use the figure on the right to answer 20-23.

25. Shade plane *GED*.

26. Name two line segments that share point *H* as an endpoint.

27. What is the intersection of $\overleftrightarrow{AK}$ and $\overleftrightarrow{CB}$?

28. Name 3 collinear points.

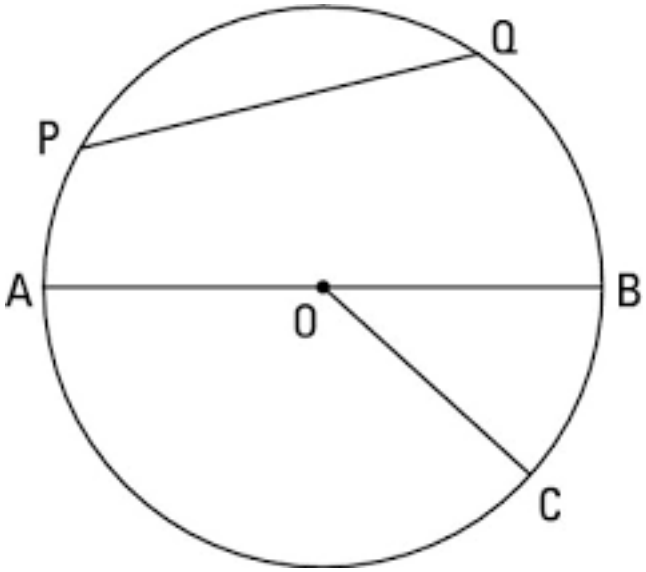


29. Name the following:

a) Name 2 chords

b) Name the diameter

c) Name 3 distinct radii



30.

Identify each line or segment that intersects ⊙*L*.

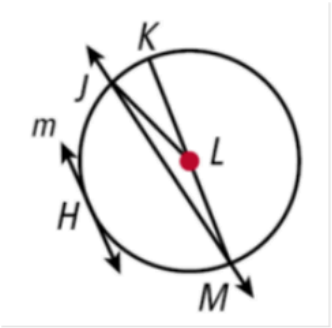
chords:

secant:

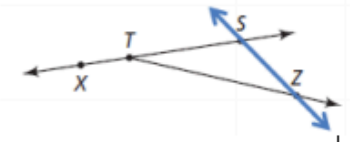
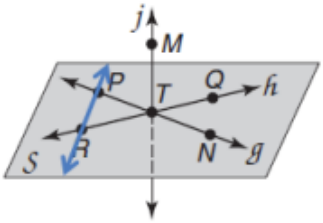
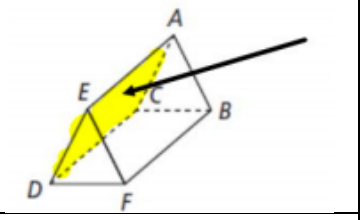
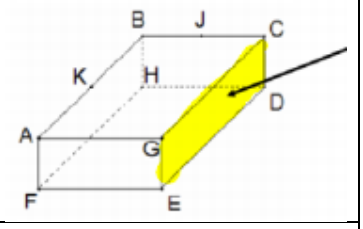
tangent:

diameter:

radii:



1.1 CORRECTIVE ASSIGNMENT ANSWERS

1. there are a bunch, here are a couple of examples: $\overrightarrow{TS}, \overrightarrow{TX}, \overrightarrow{TZ}$ Don't freak out if you don't see yours, it could still be right!	2. there are a bunch, here are a couple examples: $\overline{XT}$, $\overline{ZT}$, $\overline{TS}$	3. $\overrightarrow{TS}$ and $\overrightarrow{TX}$	4. 
5. a) True b) False c) False d) True e) True f) False g) True	6. Does a plane have edges? No 7. Can a given point be in two lines? Yes in ten lines? Yes 8. Can a given line be in two planes? Yes in ten planes? Yes	9. there are a bunch, examples: PTN, RTQ 10. there are a bunch, example: RPQN 11. $\overrightarrow{PN}$ 12. point T	13. 
14. 2 possible answers $\overrightarrow{TR}$ and $\overrightarrow{TQ}$ or $\overrightarrow{TP}$ and $\overrightarrow{TN}$	15. plane RPT	16. Bob, any 3 points are coplanar. It may not be drawn on the picture, but you could draw it in. Just like any 2 points are collinear	17. a) True b) True c) True d) True e) False f) False g) True
18. there are a bunch, here are a couple examples: EABF, DCBF	19. there are a bunch, here is an example: DEFC	20. none, they don't intersect.	21. 
22. there are a bunch, here are some examples: $\overline{CA}, \overline{CB}, \overline{CD}$	23. Sarah, the rays do not go in opposite directions to form a line so they are NOT opposite rays.	24. $\overrightarrow{AB}$	25. 
26. any 2 of these: $\overline{HB}, \overline{HD}, \overline{HF}$	27. point B	28. AKB	29. $a)\ \overline{PQ}$ & $\overline{AB}$ $b)\ \overline{AB}$ $c)\ \overline{0A}, \overline{OB}$, & $\overline{OC}$