Points Lines and Planes Assignment

Use the figure to name each of the following.

1.

A

B

2.

K

N

3.

O

T
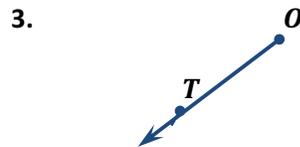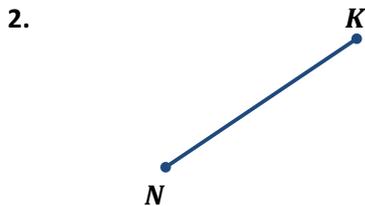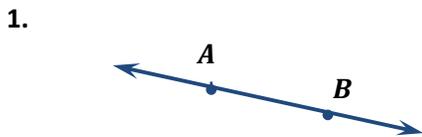
Draw and label figure for each relationship.

4. Ray $\overrightarrow{TR}$ and ray $\overrightarrow{TE}$
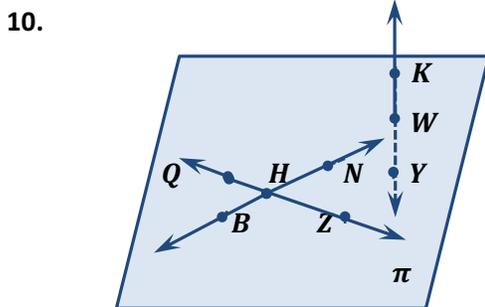
5. Line $\overleftrightarrow{DR}$

6. Line segment $\overline{SU}$

7. Draw two points, **G** and **P**. Then sketch $\overrightarrow{GP}$. Add a point **T** on the ray so that **T** is between **G** and **P**.

8. Line $\overleftrightarrow{RL}$ lies in plane π and contains point **E**, but does not contain point **S**

9. Line segment $\overline{SG}$ lies in plane π, and his end points are initial points of the ray $\overrightarrow{ST}$ and the ray $\overrightarrow{GO}$

Refer to each figure.

10.

K
W
Q   H   N   Y
B   Z
π
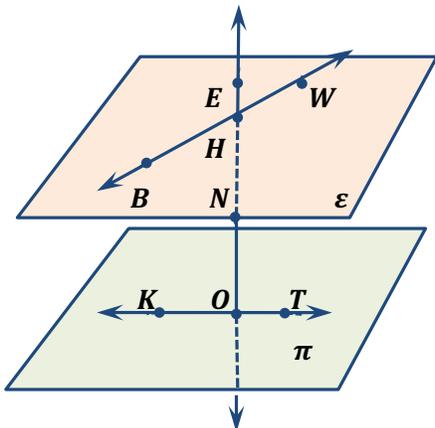
Name three line segments.

Name the intersection of plane π and line $\overleftrightarrow{KY}$.

Name the two opposite rays at point **H**.

Name the intersection of line $\overleftrightarrow{BN}$.and line $\overleftrightarrow{QZ}$
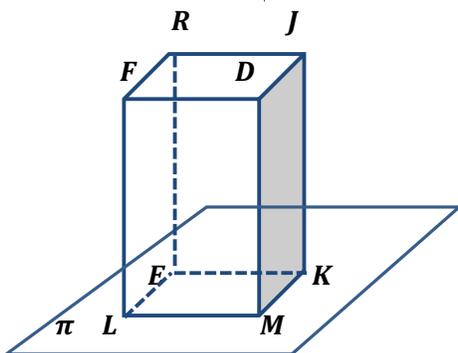
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11.

Name three collinear point in plane ε.

Name the intersection of plane ε and line $\overleftrightarrow{EN}$.

Name the intersection of plane π and line $\overleftrightarrow{EN}$.

Name the intersection of line $\overleftrightarrow{BW}$ and line $\overleftrightarrow{EN}$

12.

Name three planes.

Name a point that is coplanar with M and F

Name the intersection of plane π and plane FDM.

Name the intersection of plane MKJ and plane FDJ.

Draw and label figure for each relationship.

13. Lines $\overleftrightarrow{BJ}$ and $\overleftrightarrow{PK}$ intersect in point G in plane π. The intersection of plane π and line $\overleftrightarrow{DM}$ is point M.
.

14. The intersection of plane π and plane τ is line $\overleftrightarrow{DR}$.

Points Lines and Planes Assignment

15.   Plane ε and plane π do not has intersect.

Plane τ intersect plane π in line $\overleftrightarrow{NY}$.

Plane τ intersect plane ε in line $\overleftrightarrow{JM}$.