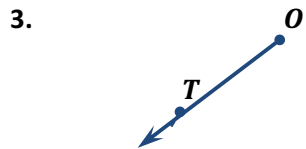
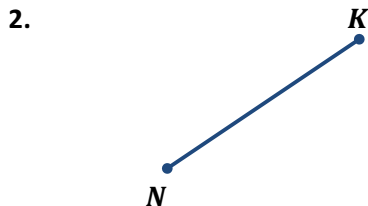
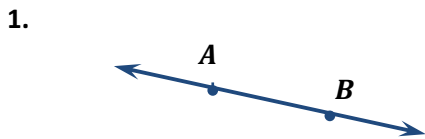


Points Lines and Planes Assignment

Use the figure to name each of the following.



Draw and label figure for each relationship.

4. Ray \overrightarrow{TR} and ray \overrightarrow{TE}

5. Line \overleftrightarrow{DR}

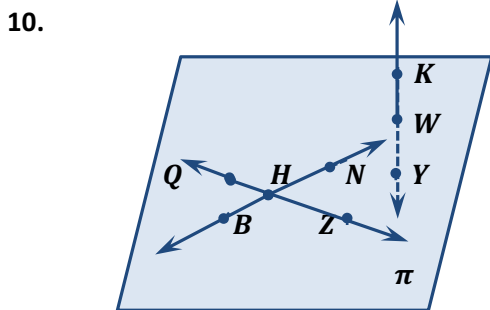
6. Line segment \overline{SU}

7. Draw two points, G and P . Then sketch \overleftrightarrow{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.



Name three line segments.

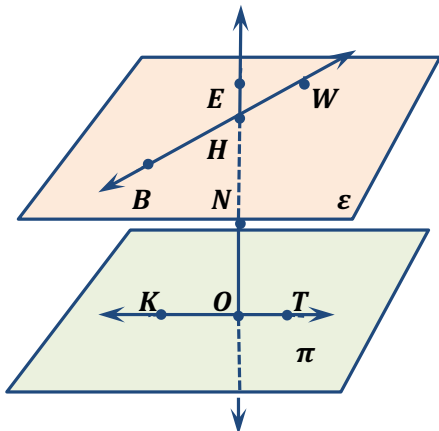
Name the intersection of plane π and line \overleftrightarrow{KY} .

Name the two opposite rays at point H .

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

Points Lines and Planes Assignment

11.



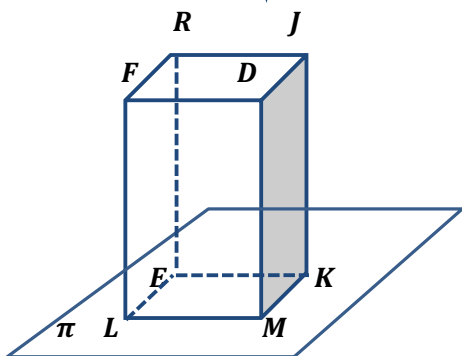
Name three collinear point in plane ϵ .

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} .

Name: _____ Period: _____ Date: _____

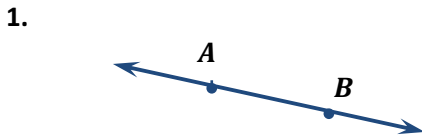
Points Lines and Planes Assignment

15. Plane ε and plane π do not intersect.
Plane τ intersect plane π in line \overleftrightarrow{NY} .
Plane τ intersect plane ε in line \overleftrightarrow{JM} .

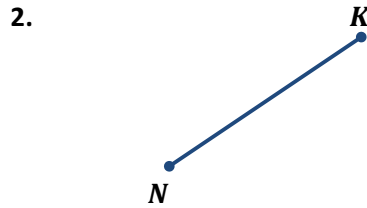
Points Lines and Planes Assignment

ANSWERS

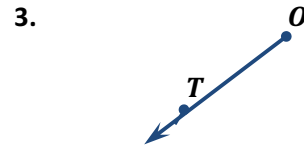
Use the figure to name each of the following.



Line \overleftrightarrow{AB}

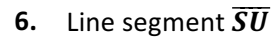
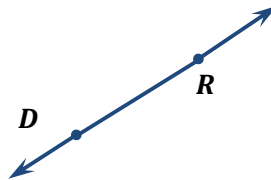
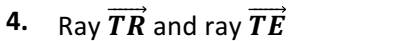


Line segment \overline{KN}



Ray \overrightarrow{OT}

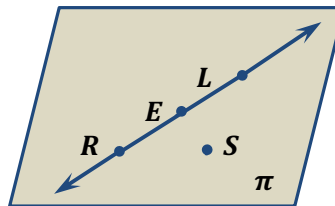
Draw and label figure for each relationship.



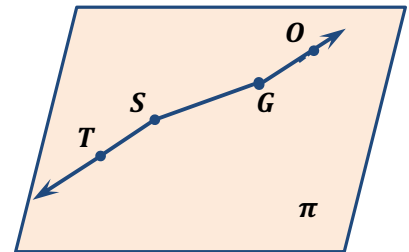
7. Draw two points, G and P . Then sketch \overleftrightarrow{GP} . Add a point T on the ray so that T is between G and P .



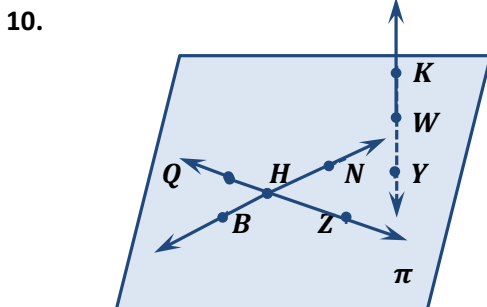
8. Line \overleftrightarrow{RL} lies in plane π and contains point E , but does not contain point S



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.



Name three line segments.

$\overline{HQ}, \overline{BN}, \overline{KY}$

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

Point W

Name the two opposite rays at point H .

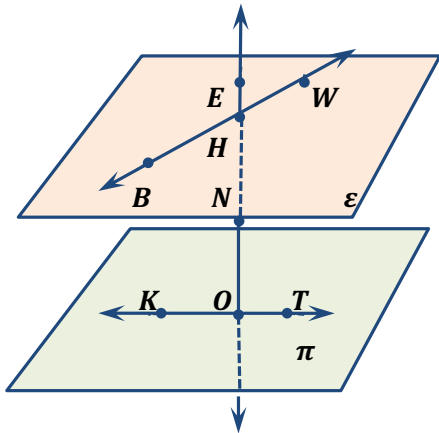
\overrightarrow{HB} and \overrightarrow{HN}

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

Point H

Points Lines and Planes Assignment

11.



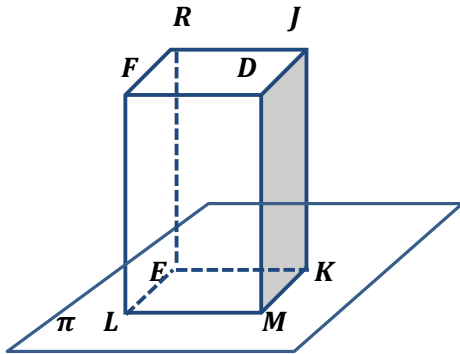
Name three collinear point in plane ϵ . **B, H and W**

Name the intersection of plane ϵ and line \overleftrightarrow{EN} . **Point H**

Name the intersection of plane π and line \overleftrightarrow{EN} . **Point O**

Name the intersection of line \overleftrightarrow{BW} and line \overleftrightarrow{EN} . **Point H**

12.



Name three planes. **FRD, MKJ, ELR**

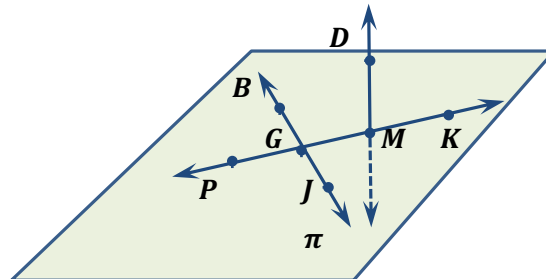
Name a point that is coplanar with M and F . **Point D**

Name the intersection of plane π and plane FDM . **Line \overleftrightarrow{LM}**

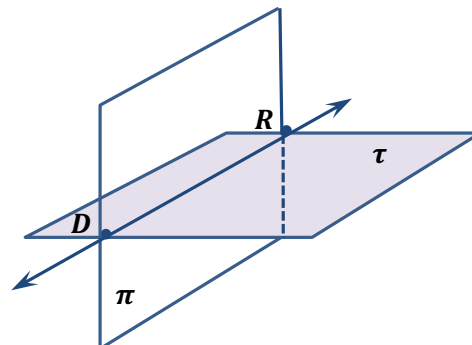
Name the intersection of plane MKJ and plane FDJ . **Line \overleftrightarrow{DJ}**

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

