

Lesson 1.1 Worksheet

Name: Key

Write in words what each of the following symbols means:

1.)  $Q$

Point Q

2.)  $\overline{MN}$

Segment MN

3.)  $\overrightarrow{ST}$

Ray ST

4.)  $\overleftrightarrow{FG}$

Line FG

In exercises 5-8 please use the figure to the right.

5.) Give two other names for  $\overleftrightarrow{WQ}$ .

Line g ; Line QW ( $\overleftrightarrow{QW}$ )

6.) Give another name for plane V.

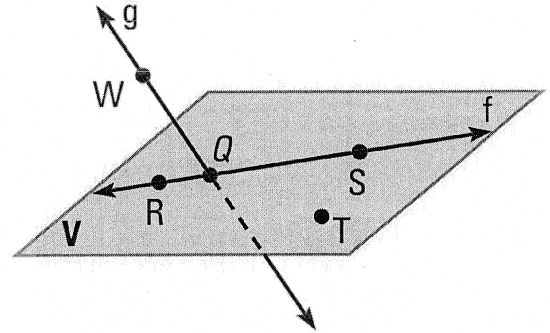
Ex: Plane RQT ; Plane QST ...

7.) Name three points that are collinear. Then name a fourth point that is not collinear with these three points.

Points R, Q, and S are collinear. Points W and T are not collinear with them.

8.) Name a point that is not coplanar with R, S, and T.

Point W



In exercises 9-11 please use the figure to the right.

9.) What is another name for  $\overline{YZ}$ ?

Segment YZ ( $\overline{YZ}$ )

10.) Name all rays with endpoint V.

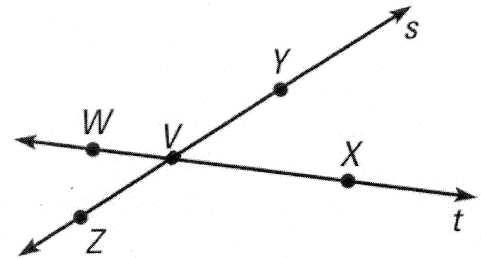
$\overrightarrow{VW}$ ,  $\overrightarrow{VX}$ ,  $\overrightarrow{VY}$ ,  $\overrightarrow{VZ}$

11.) Name a pair of opposite rays.

Ex:  $\overrightarrow{VW}$  and  $\overrightarrow{VX}$  ;  $\overrightarrow{VY}$  and  $\overrightarrow{VZ}$

12.) Give another name for  $\overleftrightarrow{WX}$ .

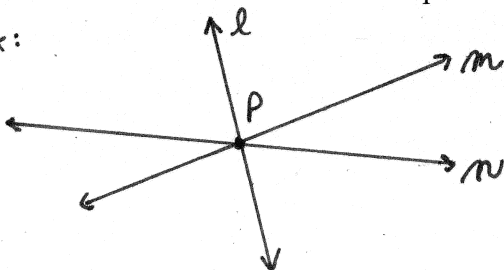
$\overleftrightarrow{WX}$



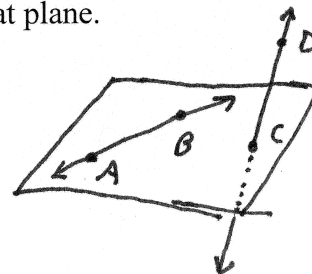
Sketch the figure described below.

13.) Three lines that intersect at one point.

Ex:



14.) One line in a plane, and one line that does not lie in that plane.



In exercises 15-17, use the figure to the right.

(Top) (Right Side)

15.) Name the intersection of plane EFG and plane FGS.

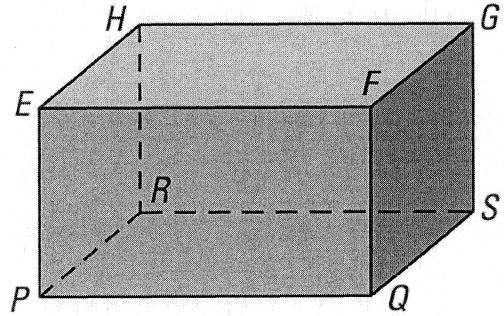
Line  $\overleftrightarrow{FG}$

16.) Are points P, Q, and F collinear? Are they coplanar?

They are not collinear; They are coplanar

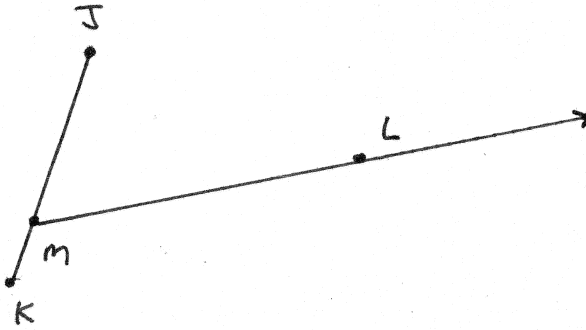
17.) Name the three planes that intersect at point E.

Plane PQF, Plane HGF, Plane HRP



Sketch the figure described below.

18.) Draw three noncollinear points J, K, and L. Sketch  $\overrightarrow{JK}$  and add a point M on  $\overrightarrow{JK}$ . Then sketch  $\overrightarrow{ML}$



19.) Draw two points P and Q. Then sketch  $\overrightarrow{PQ}$ . Add a point R on the ray so that Q is between P and R.

