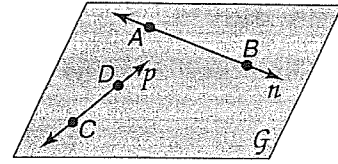**1-1** # Skills Practice

Points, Lines, and Planes

Refer to the figure.

1. Name a line that contains point D.

Line p, $\overleftrightarrow{CD}$ $\overleftrightarrow{DC}$

2. Name a point contained in line n.

Point A point B

3. What is another name for line p?

$\overleftrightarrow{CD}$ $\overleftrightarrow{DC}$
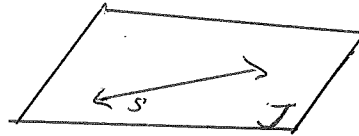
4. Name the plane containing lines n and p.

Plane G Plane CDA
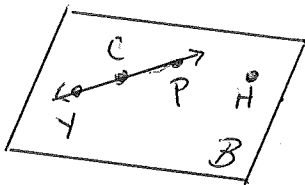Plane BAD

Draw and label a figure for each relationship.

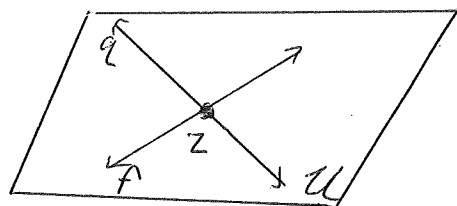**5.** Point K lies on $\overleftrightarrow{RT}$.

6. Plane J contains line s.

7. $\overleftrightarrow{YP}$ lies in plane B and contains point C, but does not contain point H.

8. Lines q and f intersect at point Z in plane U.

Refer to the figure.

9. How many planes are shown in the figure?

5 planes

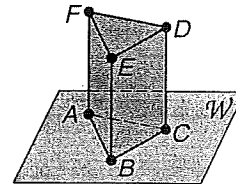**10.** How many of the planes contain points F and E?

2 planes

11. Name four points that are coplanar.

Point B, C, D, E

12. Are points A, B, and C coplanar? Explain.
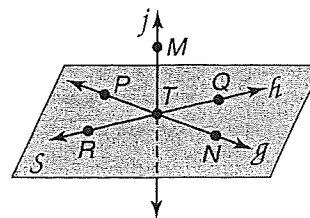
Yes points A, B, and C
are all contained in plane W

1-1 Practice

Points, Lines, and Planes

Refer to the figure.

1. Name a line that contains points T and P.

   line g $\overleftrightarrow{PT}$ $\overleftrightarrow{PN}$ $\overleftrightarrow{NP}$
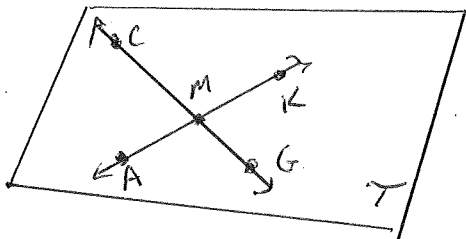
2. Name a line that intersects the plane containing points Q, N, and P.
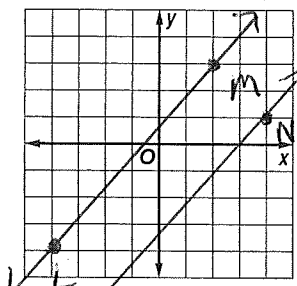
   line j or $\overleftrightarrow{MT}$ $\overleftrightarrow{TM}$

3. Name the plane that contains $\overleftrightarrow{TN}$ and $\overleftrightarrow{QR}$.

Draw and label a figure for each relationship.

4. $\overleftrightarrow{AK}$ and $\overleftrightarrow{CG}$ intersect at point M in plane $\mathcal{T}$.

5. A line contains $L(-4, -4)$ and $M(2, 3)$. Line q is in the same coordinate plane but does not intersect $\overleftrightarrow{LM}$. Line q contains point N.

Refer to the figure.

6. How many planes are shown in the figure?
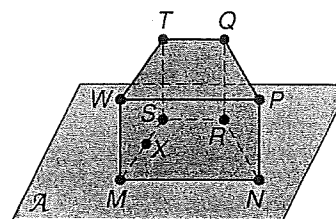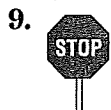
   6

7. Name three collinear points.

   Points M X S

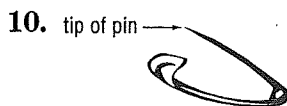8. Are points N, R, S, and W coplanar? Explain.

   No,

VISUALIZATION Name the geometric term(s) modeled by each object.

9. *STOP*

   Plane

10. tip of pin →

    Point

11. strings

    line

12. a car antenna

    line

13. a library card

    Plane

4   *Glencoe Geometry*