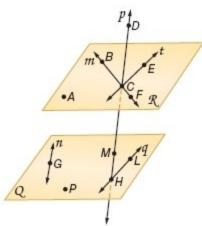
Refer to the figure.



16. Name the intersection of lines m and t.

SOLUTION:

The two lines m and t intersect at the point C on the plane R.

18. Are points F, M, G, and P coplanar? Explain.

SOLUTION:

Coplanar points are points that lie in the same plane. Here, the points G and P lie on the plane Q. But the point M lies between the planes Q and R and the point F lies on the plane R.

20. What is another name for line *t*?

SOLUTION:

There are two points *C* and *E* marked on the line *t*. So, the line *t* can also be named as \overrightarrow{CE} .

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



SOLUTION:

The tip of a pen denotes a location. So, it models a point.



SOLUTION:

The chessboard is a flat surface that extends in all directions. So, it is a plane. Also it has lines that intersect on the plane. So, it also models intersecting lines.

26. a blanket

SOLUTION:

A blanket is a flat surface that extends in all directions. So, it models a plane.

28. a telephone pole

SOLUTION:

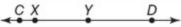
A telephone pole models a line.

Draw and label a figure for each relationship.

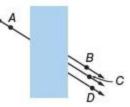
34. Points X and Y lie on \overline{CD} .

SOLUTION:

Draw a line \overrightarrow{CD} and plot two points X and Y on the line.



52. **OPTICAL ILLUSION** Name two points on the same line in the figure. How can you support your assertion?



SOLUTION:

Using a ruler we can figure out that the line containing the point C is an extension of the line containing the point A. Therefore, the points A and C are collinear.