

Points, Lines and Planes

Observe the figures and answer the questions.

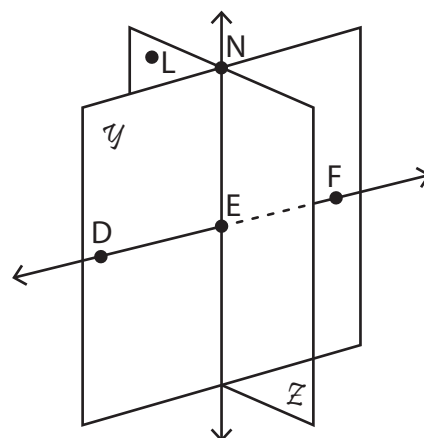
1) a) Name the planes.

b) Write all the points on the plane \mathcal{Z} .

c) Name the plane \mathcal{Z} using the points on it.

d) Name the intersection of planes \mathcal{Y} and \mathcal{Z} .

e) Write any three collinear points on the plane \mathcal{Y} .



2)

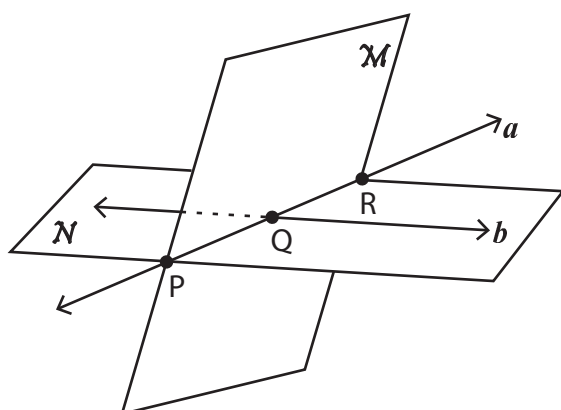
a) How many planes are represented?

b) Identify the intersection of \overleftrightarrow{PR} and line b .

c) Name the planes.

d) Write all the points in the figure.

e) At which line do the planes \mathcal{M} and \mathcal{N} intersect?



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Answer key

Observe the figures and answer the questions.

1) a) Name the planes.

Plane \mathcal{Y} and Plane \mathcal{Z}

b) Write all the points on the plane \mathcal{Z} .

Points L, E and N

c) Name the plane \mathcal{Z} using the points on it.

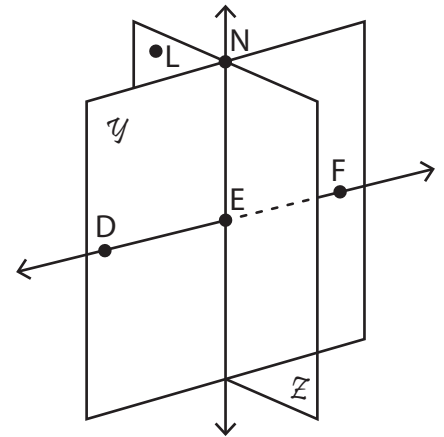
Plane LNE

d) Name the intersection of planes \mathcal{Y} and \mathcal{Z} .

\overleftrightarrow{NE}

e) Write any three collinear points on the plane \mathcal{Y} .

Points D, E and F



2)

a) How many planes are represented?

Two

b) Identify the intersection of \overleftrightarrow{PR} and line b .

Point Q

c) Name the planes.

Plane \mathcal{M} and Plane \mathcal{N}

d) Write all the points in the figure.

Points P, Q, R

e) At which line do the planes \mathcal{M} and \mathcal{N} intersect?

Line a

