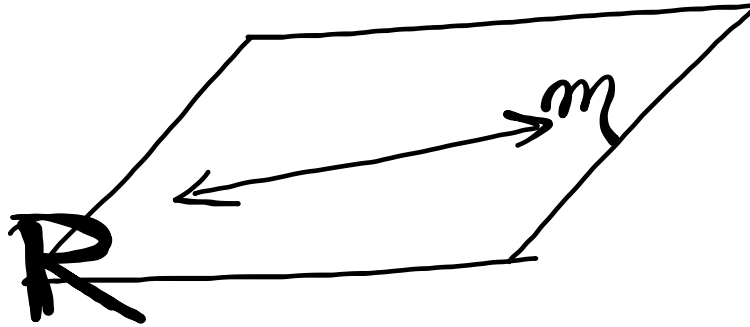


# GEOMETRIC LANGUAGE



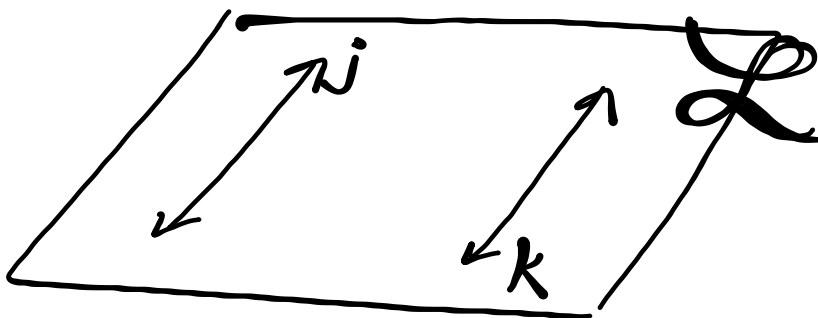
Student Answers

• Line  $m$  is on plane  $R$

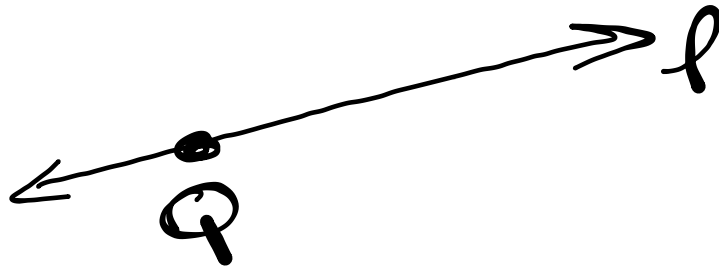
Precise language

• Line  $m$  is in plane  $R$ .

\* Points and lines are in planes.



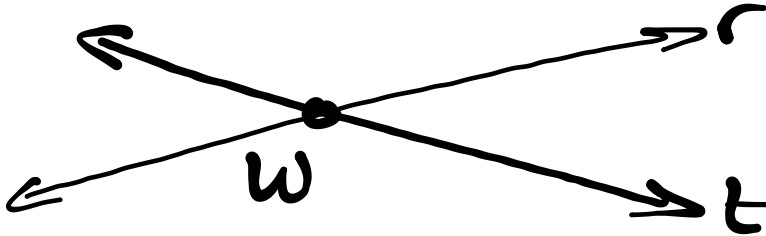
• Lines  $j$  and  $k$  are in plane  $Q$ .



- Point Q is on line  $l$
- Point Q lies on line  $l$ .

- Point Q is on line  $l$ .
- Line  $l$  contains point Q.
- Line  $l$  passes through point Q.

- \* Points are on lines.
- \* Lines contain points.
- \* Lines pass through points.



• Lines  $r$  and  $t$  intersect at point  $W$ .

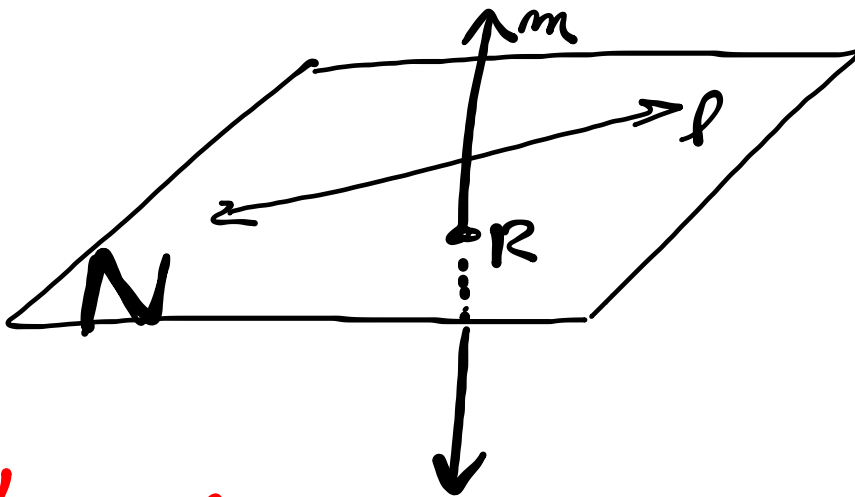
• Both lines  $r$  and  $t$  contain point  $W$ .

• Lines  $r$  and  $t$  intersect at point  $W$ .

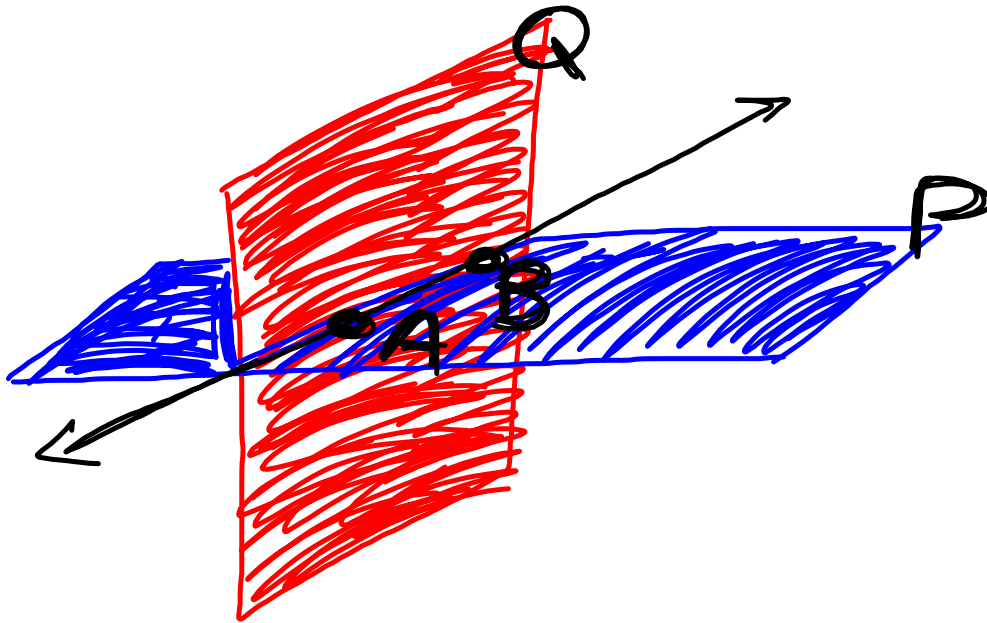
• Point  $W$  is the intersection of lines  $r$  and  $t$ .

\* Lines intersect at a point

\* Points are intersections of lines.



- Line  $l$  is in plane  $N$ .
- Line  $m$  intersects plane  $N$  at point  $R$ .
- Point  $R$  is in plane  $N$ .
- Lines  $m$  and  $l$  do not intersect.



•  $\overleftrightarrow{AB}$  is in planes P and Q.