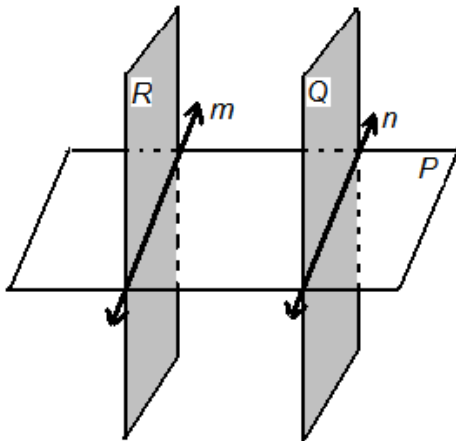
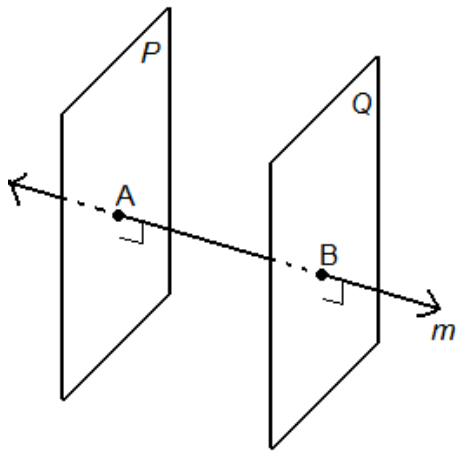


#1



If a plane intersects two parallel planes,  
then the intersection is two parallel lines.

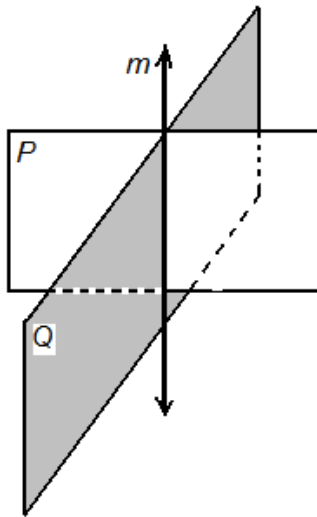
#2



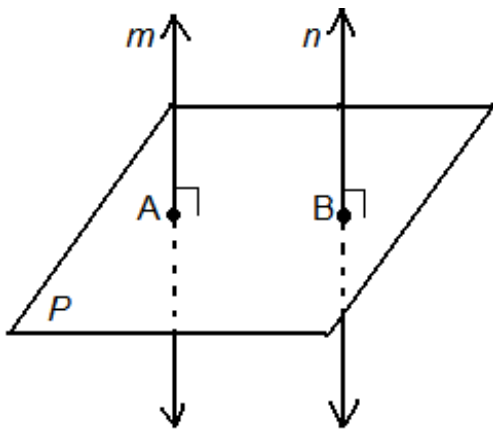
If two planes are perpendicular to the same line, they are parallel.

#3

The intersection of two planes is a line.

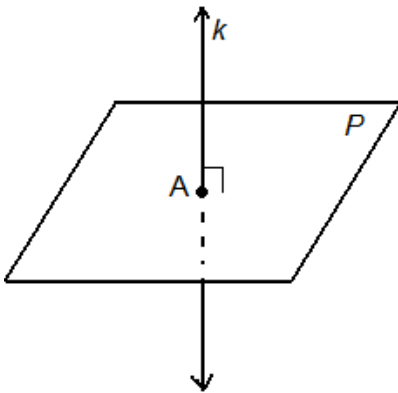


#4



If two lines are perpendicular to the same plane, then the lines are coplanar.

# #5

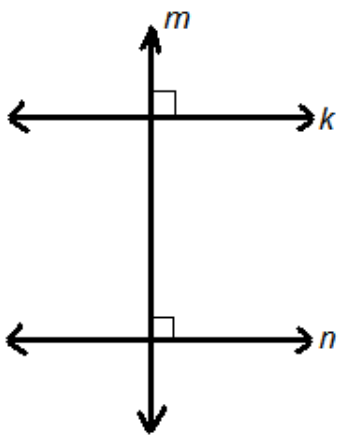


If a line is perpendicular to a plane, then every plane containing the line is perpendicular to the given plane.

Through a given point there passes one and only one plane perpendicular to a given line.

Through a given point there passes one and only one line perpendicular to a given plane.

#6



If two lines are parallel and a line is perpendicular to one of the lines, then that line is perpendicular to both lines.

Through a given point,  $P$ , on a plane, how many lines can be drawn through point  $P$  that are perpendicular to the plane?

**One!**