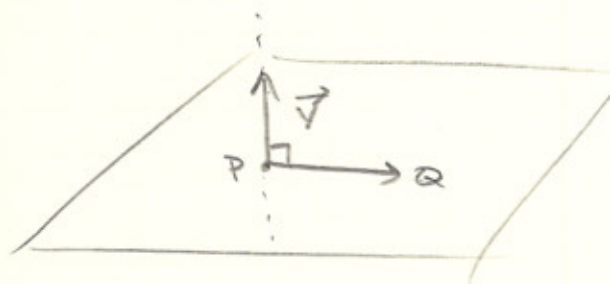


\vec{v} is perpendicular to the plane
point P is on the plane
 Q is all the point on the plane.

$$Q(x, y, z)$$

$$P(x_0, y_0, z_0)$$

$$\vec{v} \langle a, b, c \rangle$$



$$\vec{PQ} = \langle x - x_0, y - y_0, z - z_0 \rangle$$

$$\vec{PQ} \cdot \vec{v} = 0$$

$$a(x - x_0) + b(y - y_0) + c(z - z_0) = 0$$