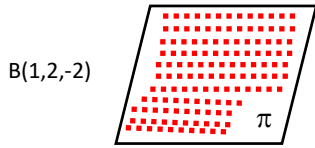


$$AX + BY + CZ = D$$



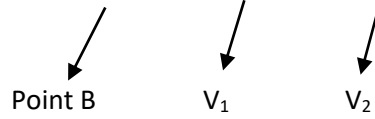
Given

$$V_1 \Rightarrow (1,1,3)$$

$$V_2 \Rightarrow (-1,0,-2)$$

Two vectors of π

$$\pi \Rightarrow (1,2,-2) + t(1,1,3) + s(-1,0,-2)$$



Example

t	s	
1	1	→ A(1,3,-1)
1	-1	→ C(3,3,3)
0	2	→ D(-1,2,-6)
2	0	→ E(3,4,4)
-1	-1	→ F(1,1,-3)
-2	0	→ G(-1,0,-8)

All these points are on the plane π

$$\begin{vmatrix} x & y & z \\ 1 & 1 & 3 \\ -1 & 0 & -2 \end{vmatrix} = -2x - y - z = D_1$$

$$2x + y - z = D$$

We know B(1,2,-2)

$$2x + y - z = 6$$