

GABARITO - PROVA 1 - 27 oct. 2020

1) $x + 2y - 2z - 1 = 0$ param y, z

a) $x = -2y + 2z + 1$

$(x, y, z) = (-2y + 2z + 1, y, z)$

$= y(-2, 1, 0) + z(2, 0, 1) + (1, 0, 0)$

$= y\underline{v} + z\underline{w} + \underline{p}$

b) pegamos $\tilde{p} = (6, 1, 1) : y\underline{v} + z\underline{w} + \tilde{p}$

$y(-2, 1, 0) + z(2, 0, 1) + (6, 1, 1)$

geral: $x + 2y - 2z + \textcircled{D} = 0$

$(6, 1, 1)$ é solução daí:

$6 + 2 - 2 + D = 0, \quad D = -6$

$x + 2y - 2z - 6 = 0$