

α // β⇔ // = (m , 1 , -3) = (2 , n , -1)

m = 6

n = 1/3

α : 6x + y -3 z -1 = 0

β: 2x + 1/3 y – z – 3 = 0

multiplico m a m por 3: β : 6x + y – 3z – 9 = 0 no son coincidentes.



1. = ( 1 , 0 , -1) = ( 0 , 1 , 3)

x =

Z = 0

x = 2

y = 1

P(2 , 1 , 0)

1. π: x – 2y – 7 = 0

π: () – 2 () – 7 = 0 2 + t – 2 +6t – 7 = 0 7t – 7 =0 t = 1

A(3 , -2, 1) = π ∩r



|  |  |
| --- | --- |
| // r  Z = 0  x – y = -8  5x + y = -10 6x = -18 x = -3  y = 5 A(-3 , 5 , 0) | // s  Z = 0  x + y = 2  2x + y = -9 x = -11  Y = 13  B(-11, 13 , 0)  S: |

r y s son rectas alabeadas. Las rectas no se intersectan.