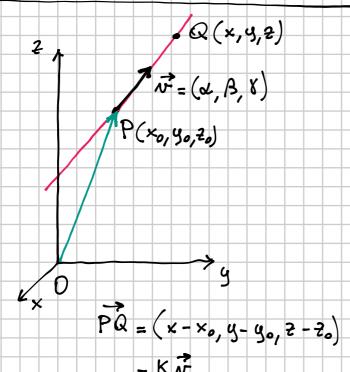


N=(0,0,0) VETTORE NORMANE AL PLANO

Ea. PIANO ax+by+c2+d=0

Le rette nelle spories possons essere rappresentate de INTERSEZIONI DI PIANI (NON PARALLELI)

austo sistema nappresenta una reta



$$\begin{cases} \times = \times_0 + K & \text{EQUAZIONI} \\ y = y_0 + K & \text{PARAMETRICHE} \\ 2 = 2_0 + K & \text{RETTA} \end{cases}$$

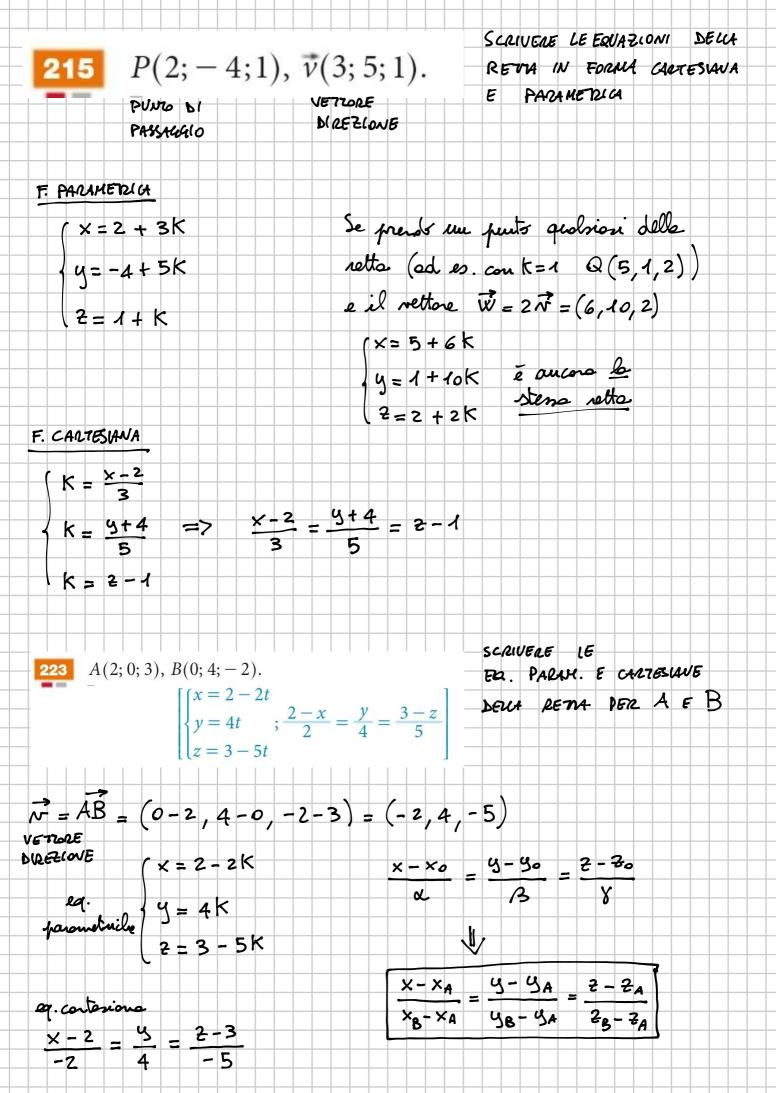
$$2 = 20 + K8$$
 Reta

$$\begin{cases} x - x_0 = k \\ \frac{y - y_0}{3} = k \\ \frac{x - x_0}{3} = \frac{y - y_0}{3} = \frac{2 - 20}{3} \end{cases}$$

$$\begin{cases} \frac{x - x_0}{3} = \frac{y - y_0}{3} = \frac{2 - 20}{3} \\ \frac{z - z_0}{3} = \frac{z - 20}{3} = \frac{z - 20}{3} \end{cases}$$

$$\begin{cases} \frac{x - x_0}{3} = \frac{y - y_0}{3} = \frac{2 - 20}{3} \\ \frac{z - z_0}{3} = \frac{z - 20}{3} = \frac{z - 20}{3} \end{cases}$$

```
è una retta scritta come
(2x-y+2+1=0
                         intersesione di piani
3x+2y-2+2=0
                         Come poss trosformale in forma
                         parametrico?
 (2x-4+K+1=0
                          ( y = 2x + K+1
  3x+2y-K+2=0
                          (3x+2(2x+K+1)-K+2
 2=K
                          2 = K
  ( 4 = 2 x + K + 1
  13x+4x+2K+2-K+2 => 7x+K+4=0 => 7x=-K-4
  2 = K
                                                        x = -\frac{1}{7}k - \frac{4}{7}
   (x=-1/K-4
                              \left( \times = -\frac{1}{7} K - \frac{4}{7} \right)
                               y = -\frac{2}{7}k - \frac{8}{7} + k + 1 = \frac{5}{7}k - \frac{1}{7}
   y=2(-1/2 K-4/2)+K+1
   2 = K
                               ( Z = K
     (x = -\frac{4}{7} + K(-\frac{1}{7})
                            quindi questo à la retto di
     1 y = - 1 + K - 5
                             directione \left(-\frac{1}{7}, \frac{5}{7}, 1\right) = \overrightarrow{N}
     12=0+k·1
                            famoute per il pents (- 4, -7,0)
   La déresione pué essere auche \vec{w} = -7\vec{N} = (1, -5, -7)
   anindi la stene retta qué onche enere riscritta (x = - 4 + K
                                                        1 y = - = - 5K
                                                         2=-7K
```



$$R(-7; 2; 3), S(4; -3; 3).$$

$$\begin{cases} x = -7 + 11t \\ y = 2 - 5t \\ z = 3 \end{cases}$$

$$\begin{cases} x = -7 + 11t \\ y = 2 - 5t \\ z = 3 \end{cases}$$

$$\begin{cases} x = -7 + 14t \\ y = 2 - 5t \\ z = 3 \end{cases}$$

$$\begin{cases} x + 7 = y - 2 \\ 11 = -5 \\ 2 = 3 \end{cases}$$

$$\begin{cases} x = 7 + 44t \\ y = 2 - 5t \\ 2 = 3 \end{cases}$$

$$\begin{cases} x = 7 + 44t \\ y = 2 - 5t \\ z = 3 \end{cases}$$

$$\begin{cases} x = 7 + 44t \\ y = 3 - 5 \\ z = 3 \end{cases}$$

$$\begin{cases} x = 7 + 2t \\ y = 3 - t \end{cases}$$

$$\begin{cases} x = 3 - 2t \\ y = 3 - t \end{cases}$$

$$\begin{cases} x = 3 - 2t \\ y = 3 - t \end{cases}$$

$$\begin{cases} x = 4 - 2(3 - y) \\ t = 3 - y \end{cases}$$

$$\begin{cases} x = 4 - 2(3 - y) \\ t = 3 - y \end{cases}$$

$$\begin{cases} x = 4 - 2(3 - y) \\ 2 = 2 + 24 - 8y \end{cases}$$

$$\begin{cases} x = 4 - 26 = 0 \end{cases}$$

$$\begin{cases} x = 2 - 26 = 0 \end{cases}$$

$$\begin{cases} x = 2 - 26 = 0 \end{cases}$$