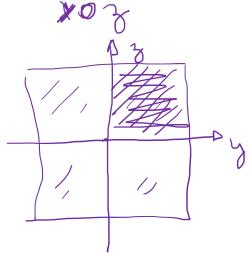
Pontos e vetores em R3



Profa. Dra. Simone Leal Schwertl
FURB

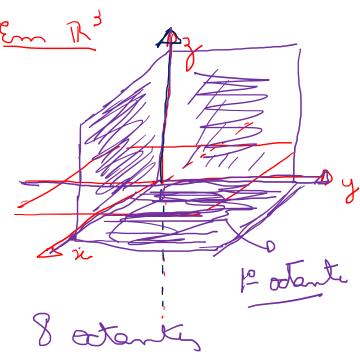
Localizació de ptos em 123

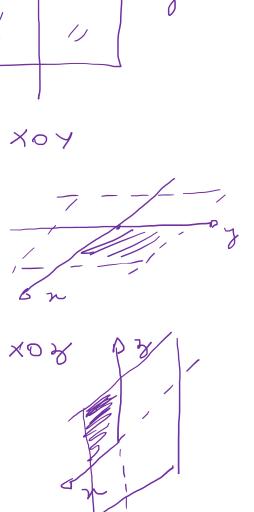
A (1,2,3)





200 R J 11 11 X 4 gradients

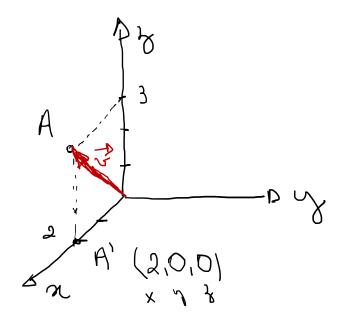




coodinado. anyounter

fordinger opto A(2,0,3)a) so vitor $\vec{v} = (2,0,3)$





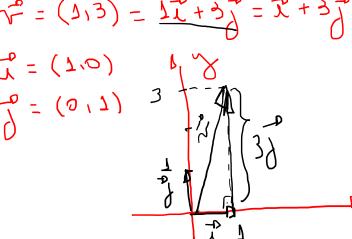
)

$$\vec{\mathcal{C}} = (\alpha_1 \beta_1 C) = (x_1 y_1 y_1)$$

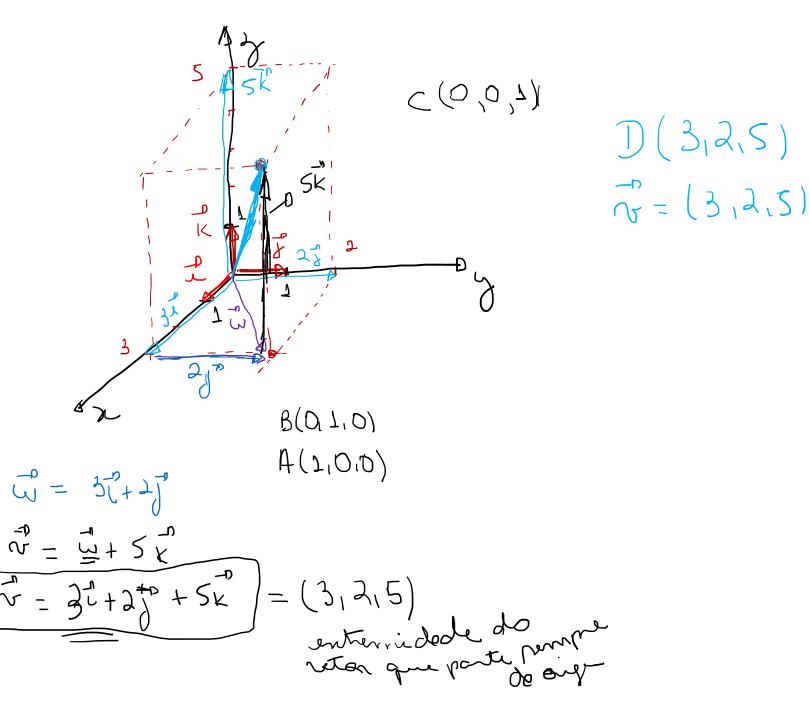
$$\vec{v} = x\vec{i} + y\vec{j} + y\vec{k} \quad \text{on} \quad v(x,y,y)$$



$$\mathcal{L}: \vec{\nabla} = \vec{A}\vec{B} = \vec{B} - \vec{A} = (\vec{3} \cdot \vec{4}) - (\vec{2} \cdot \vec{1}) = (\vec{1} \cdot \vec{3}) + \vec{\nabla} = \vec{A}\vec{B} = (\vec{1} \cdot \vec{3})$$



$$\sqrt{3} = 3i + 2j + 5k$$



face a representació gafrica dos vetores for TR3:

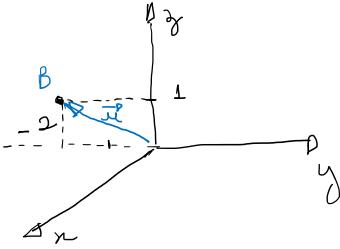
(velove) from
$$1k^2$$
:

(2) $\frac{\pi}{2} = \pi^2 + 3\pi^2 = (1,3,0)$ and π^2

(2) $\frac{\pi}{2} = \pi^2 + 3\pi^2 = (0,-2,1)$

b)
$$\vec{x} = -2\vec{j} + \vec{k} = (0, -2, 1)$$

c)
$$\frac{1}{2} = \frac{1}{2} + 2\frac{1}{2} + 1 = (1,2,1)$$



B(0,-2,1)

