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20 capítulo.

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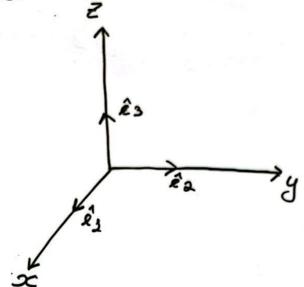
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$$(a, -7, 0) = a\hat{l}_1 - 7\hat{l}_2 + 0\hat{l}_3$$

 $(x, y, z) = x\hat{e}_1 + y\hat{e}_2 + z\hat{l}_3$

Velon:

- Dreção
- Sentido.
- Compainmento.

$$A \longrightarrow B \longrightarrow B - A$$

$$\overrightarrow{AB} = (2-3) + ((-3)-2) + (0-3)$$

$$= 3 + (-5) + (-3)$$

$$= (3, -5, -3)$$

$$|| \overrightarrow{AB} || = \sqrt{2^{2} + (-5)^{2} + (-3)^{2}}$$

$$= \sqrt{1 + 25 + 9}$$

$$= \sqrt{35}$$

e Dezigna - se par norma " au "comprimento"

de a = (a1) a 1 a3) o escalor depinida par:

· avando || a || = 1, a dig-se " vetor unitorio"

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H

$$a = \frac{a^{3}}{\|a\|} = \frac{1}{\sqrt{a_{3}^{2} + a_{3}^{2} + a_{3}^{2}}} \cdot (a_{3}, a_{3}, a_{3})$$