



MTM3111 e MTM5512 - Geometria Analítica

Gabarito da Lista de exercícios 3.3

Vetores do ponto de vista algébrico

Última atualização: 2 de março de 2021

1.

(a)  $\overrightarrow{AB} = (1, -1, -2)$ .

(b)  $\overrightarrow{BA} = (-1, 1, 2)$ .

2.

(a)  $B = (3, 0, 6)$ .

(b)  $C = (1, 2, -2)$ .

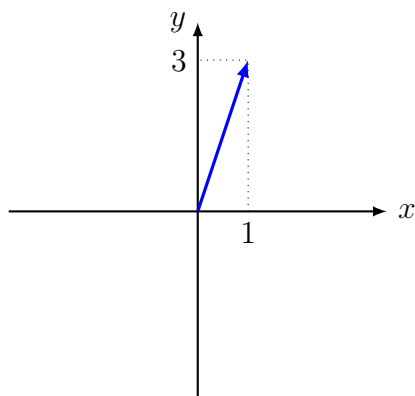
3.

(a)  $(3, 1, -\frac{1}{2})$ .

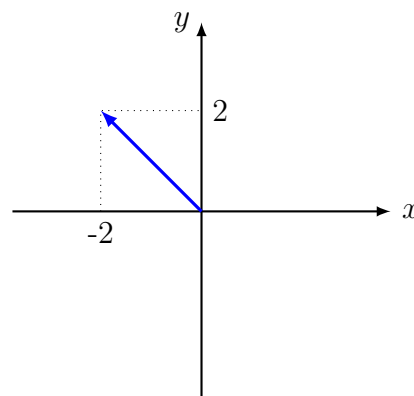
(b)  $(\frac{12}{5}, -\frac{7}{5}, \frac{2}{5})$ ,  $(\frac{14}{5}, \frac{1}{5}, -\frac{1}{5})$ ,  $(\frac{16}{5}, \frac{9}{5}, -\frac{4}{5})$  e  $(\frac{18}{5}, \frac{17}{5}, -\frac{7}{5})$ .

4.

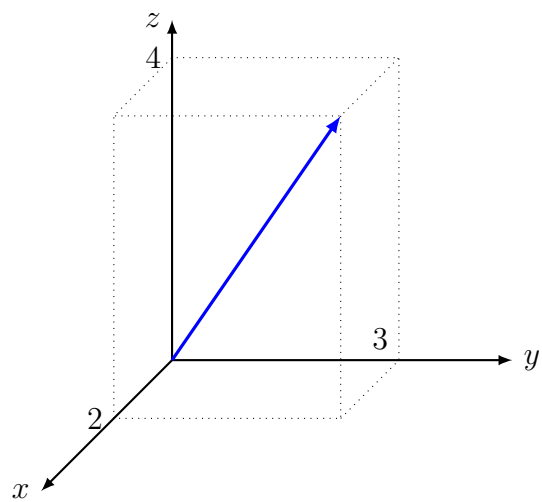
(a)



(b)



(c)



(d)

