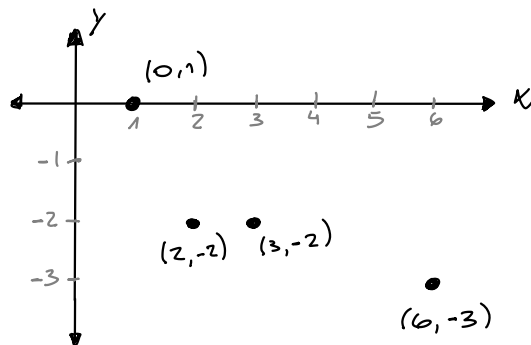


(1) Calcular los vectores $A + B$, $A - B$, $3A$, $-2B$, y representarlos gráficamente.

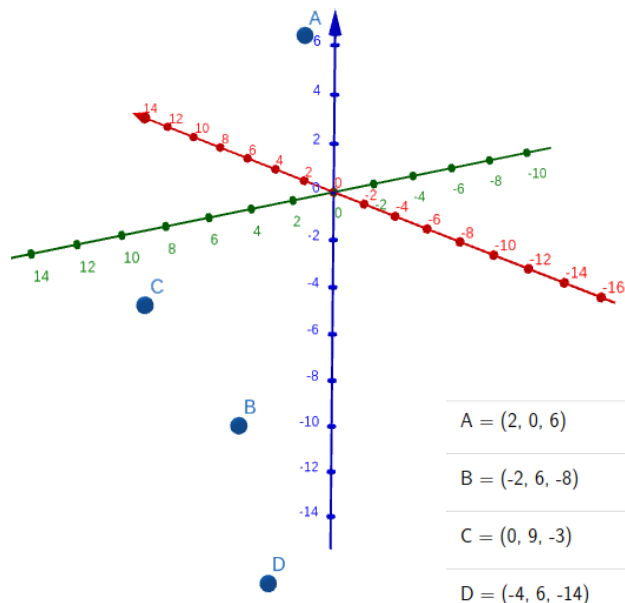
(a) $A = (2, -1)$, $B = (-1, 1)$

$$\begin{aligned} A+B &= (2, -1) + (-1, 1) = (1, 0) \\ A-B &= (2, -1) - (-1, 1) = (3, -2) \\ 3A &= 3(2, -1) = (6, -3) \\ -2B &= -2(-1, 1) = (2, -2) \end{aligned}$$



(b) $A = (0, 3, -1)$, $B = (2, -3, 7)$

$$\begin{aligned} A+B &= (0, 3, -1) + (2, -3, 7) = (2, 0, 6) \\ A-B &= (0, 3, -1) - (2, -3, 7) = (-2, 6, -8) \\ 3A &= 3(0, 3, -1) = (0, 9, -3) \\ -2B &= -2(2, -3, 7) = (-4, 6, -14) \end{aligned}$$



$$A = (2, 0, 6)$$

$$B = (-2, 6, -8)$$

$$C = (0, 9, -3)$$

$$D = (-4, 6, -14)$$