(2) Calcular el producto escalar o interno $A.B$ en los siguientes casos.

(a) $A = (-1, 3)$, $B = (0, 4)$

$\langle A, B \rangle = \langle (-1,3), (0,4) \rangle = (-1) \cdot 0 + 3 \cdot 4 = 12$

(b) $A = (-1, -1, 3)$, $B = (-1, 3, -4)$

$\langle A, B \rangle = \langle (-1, -1, 3), (-1, 3, -4) \rangle = (-1)(-1) + (-1)3 + 3(-4) = 1 - 3 - 12 = -14$

(c) $A = (4, 3, -1)$, $B = (2, -3, 7)$

$\langle A, B \rangle = \langle (4, 3, -1), (2, -3, 7) \rangle = 4 \cdot 2 + 3(-3) + (-1)7 = 8 - 9 - 7 = -8$