(1) Dados
$$v = (-1, 2, 0)$$
, $w = (2, -3, -1)$ y $u = (1, -1, 1)$, calcular:
a) $2v + 3w - 5u$,
b) $5(v + w)$,
c) $5v + 5w$ (y verificar que es igual al vector de arriba).

a)
$$2v + 3w - 5u = 2(-1,2,0) + 3(2,-3,-1) - 5(1,-1,1)$$

= $(-2,4,0) + (6,-9,-3) - (5,-5,5)$
= $(-2+6, 4+(-9), 0+(-3)) - (5,-5,5)$

b)
$$5(v + w) = 5((-1,2,0) + (2,-3,-1))$$

= $5(-1+2, 2+(-3), 0+(-1))$
= $5(1,-1,-1)$
= $(5,-5,-5)$