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) $2v + 3w - 5u = 2(-1,2,0) + 3(2,-3,-1) - 5(1,-1,1)$
   $= (-2,4,0) + (6,-9,-3) + (-5,5,-5)$
   $= (-1,0,-8)$

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

c) $5v + 5w = 5(-1,2,0) + 5(2,-3,-1)$
   $= (-5,10,0) + (10,-15,-5)$
   $= (5,-5,-5)$ ✅