$$\langle 4, Kv \rangle = \langle (3,-2), (-4)(4,5) \rangle$$
  
=  $(3,-2), (-16,-20)$   
=  $(3)(-16)+(-2)(-20)$   
=  $-48+40$   
=  $-8$ 

Ex 2 Neighted inner product (4, v) = 44, v, +8421/2

0

$$\langle u,v \rangle = 441V_1 + 542V_2$$
 $\langle u,v \rangle = 241V_1 + 542V_2$ 
 $\langle u,v \rangle = 241V_1 + 542V_2$ 
 $\langle u,v \rangle = 421V_1 + 521V_2$ 
 $\langle u,v \rangle = 421V$