**#1**
Step ①: Find u-2w = ∠-2, -1, 3> - 2<1, 2, -17
= ∠-2, -1, -4, 3 - (-2)?
= ∠-4, -5, 5 ? = v.
Step ②: Make this into a unit vector. Without this steps if 's
extremely tedio... to make the vector have magnitude 5.
Since unit weters have magnitude 1, this allows us to
j.st multiply it by 5 after (because club = lev1.)
\$v = ∠-4, -5, 5?
IvI = ∠-4, -5, 5?
= 1
∠-4, -5, 5?
Step ③: We want this in the apposite direction, so multiply by -1.
⇒ v = -1/(56 × 4, -57, 5?)
step ③: Multiply by 5 the magnitude 5:
$$\frac{-5}{166} \angle -4, -57, 5?$$
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step ④: Multiply by 5 the magnitude 5:
 $\frac{-7}{16} \angle 4, -57, 5?$ 
 $v = -1/(52 + (-1)^2)^2$ 
 $v = -1/(52 + (-1)^2)^2 + (3)(-1) \angle -1, 2, -1?$ 
 $\mu = \frac{-7}{16} \angle 1, 2, -1? = -51$ .
 $u = F_1 + F_2 = 2 + F_2 = u - F_1 = (2^{-2}, -1, 3) - (-\frac{2}{5}) \angle 1, 2, -1?$ 

