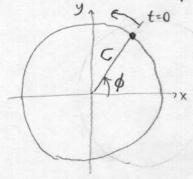
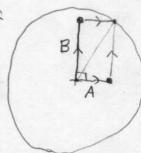
A) [Warm-up!]

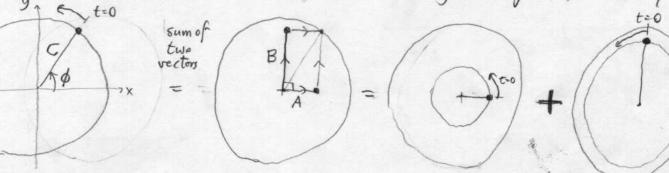
MATH 5

Solve for all values of time t when signal sin (3t+5) crosses zero (vanished):

Consider a point on radius C circle starting at angle p, ie p=p+t 3)







Cwhat is its y-coord?

Equate the two ways of writing y:

what are A, B in terms of C, &?

what is y-coord of just this soluting vector?

what is y-coord of sast flux rotating rector? (hint: not sin!)

If you were give A,B, how would you get C, \$?

Substitute St=a to write an addition formula for Sin (a+b):