

1-1) Consider the following two vectors:

A: $A_x = 1.30$ cm and $A_y = 2.25$ cm **B:** $B_x = 4.10$ cm and $B_y = -3.75$ cm

- a) Calculate the components of **C** = **A** + **B**.
- b) Calculate the magnitude C and the direction angle θ_C for **C**.