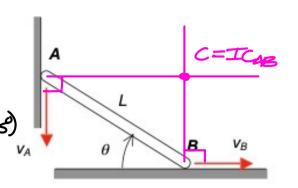
## Q1 - 4 points

B moves to the right...

When  $\theta < 45^{\circ}$ :  $V_A = dc_A w_{AB}$ a)  $V_A = 0$ b)  $V_A > V_B$   $V_A = dc_A w_{AB}$   $V_A = dc_A w_{AB}$   $V_A = dc_A v_{AB}$   $V_A = dc_A v_{AB}$ 

- d)  $V_A < V_B$
- e) Need to know more about problem.



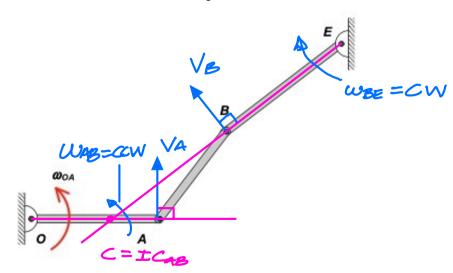
**Q2** Link OA rotates in the CW direction.

## **Q2.1 – 4 points**

- a)  $\omega_{AB} = CW$
- b)  $\omega_{AB} = 0$
- c)  $\omega_{AB} = CCW$
- d) Need to know more about problem.

## **Q2.2 – 4 points**

- a)  $\omega_{BE} = CW$
- b)  $\omega_{BE} = 0$
- c)  $\omega_{BE} = CCW$
- d) Need to know more about problem.



## Q1 – 4 points

Points A and B are on the same rigid body.

A moves along path shown with speed  $v_A$ .

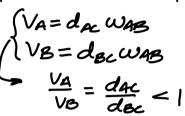
a) 
$$V_B = 0$$

b) 
$$V_B > V_A$$

c) 
$$V_B = V_A$$

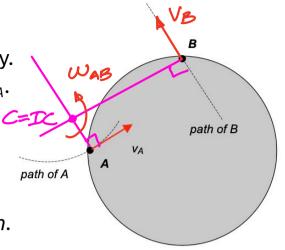
d) 
$$V_B < V_A$$

a) 
$$V_B < V_A$$



$$\frac{V_A}{V_B} = \frac{dAc}{dac} < 1$$

e) Need to know more about problem.



Q2 Link AB rotates in the CW direction.

**Q2.1 – 4 points** 

a) 
$$\omega_{BD} = CCW$$

b) 
$$\omega_{BD} = 0$$

c) 
$$\omega_{BD} = CW$$

d) Need to know more about problem.

**Q2.2 – 4 points** 

a) 
$$\omega_{ED} = CCW$$

b) 
$$\omega_{ED} = 0$$

c) 
$$\omega_{ED} = CW$$

d) Need to know more about problem.

