

* Twarial 5

(B)
$$\overline{A} = J \cos \varphi \ \hat{a}_{3} + Sin \varphi \ \hat{a}_{4}$$

$$\int_{A} A \cdot dl$$

for explicit vicul - $dl = df \ \hat{a}_{1} + J d\varphi \ \hat{a}_{1} + dz \ \hat{a}_{2}$

$$\int_{B} A \cdot dl = \int_{B} 2 \sin \varphi \ d\varphi \ \hat{a}_{2} + \int_{A} 3 \cos(\varphi) \ df \ \hat{a}_{3} + \int_{B} 3 \cos(\varphi) \$$

