

CE 201-485 (071)

H.W. # 9 Final Answers

1) $A_x = \pm 160 \approx \pm 560$
 $A_y = \pm 160 \approx \pm 560$
 $B_x = \pm 160 \approx \pm 560$
 $B_y = \pm 280 \approx \pm 160$
 $C_x = \pm 280 \approx \pm 160$
 $D_x = \pm 280 \approx \pm 160$

2) a- $P \approx 621 \approx 683$
b- $D_x \approx \pm 2500 \approx 1114$
 $\theta \approx 1.6 \approx 10.0$

3) $F = 100 \approx 14,800$

4) a- $\approx 128 \approx 0.427$
b- $\approx 128 \approx 510$

5) $F_{BA} \approx 18,970 \approx 3000$ $T \approx C$
 $F_{DC} \approx 4,268 \approx 14,213$ $T \approx C$
 $F_{FE} \approx 4,268 \approx 9,612$ $T \approx C$