

CE 201-485 (071)

H.W. # 7 Final Answers

$$\begin{aligned}
 1) \quad T_{BD} &\approx 4230 & \approx 1640 \\
 T_{BE} &\approx 3210 & \approx 4720 \\
 A_x &\approx \pm 6750 & \approx \pm 3260 \\
 A_y &\approx \pm 5720 & \approx \pm 8880 \\
 A_z &\approx \pm 2350 & \approx \pm 1183
 \end{aligned}$$

$$\begin{aligned}
 2) \quad T_{BE} &\approx 35.4 & \approx 70.8 \\
 T_{BF} &= ?! \\
 T_{CD} &\approx 24.6 & \approx 10.0
 \end{aligned}$$

$$\begin{aligned}
 3) \quad P &\approx 118.9 & \approx 155.9 \\
 A_x &\approx \pm 42.9 & \approx \pm 52.9 \\
 A_y &= ?! \\
 A_z &\approx \pm 69.9 & \approx \pm 59.7 \\
 B_x &\approx \pm 61.1 & \approx \pm 99.9 \\
 B_y &\approx \pm 196.2 & \approx \pm 121.8 \\
 B_z &\approx \pm 84.7 & \approx \pm 67.3 \\
 \vec{M}_A &= ?! & \vec{M}_B = ?!
 \end{aligned}$$

$$4) \quad T_{BE} \approx 157 \quad \approx 206$$

$$5) \quad D_{211} \approx 350 \quad \approx 250 \quad [\text{dir.} = ?!]$$