

# H. W. # 3

## Final Answers

$$1) F = 6.474 \quad \underline{\underline{\text{or}}} \quad 4.674 \quad || \quad \theta = 84.91 \quad \underline{\underline{\text{or}}} \quad 143.3^\circ$$

$$2) F_{Bc} = 6.49 \quad \underline{\underline{\text{or}}} \quad 5.57 \quad || \quad F_{BA} = 6.41 \quad \underline{\underline{\text{or}}} \quad 7.07$$

$$3) N = 73.5 \quad \underline{\underline{\text{or}}} \quad 64.8$$

$$4) d = 2.137 \quad \underline{\underline{\text{or}}} \quad 2.424$$

$$5) \quad \begin{array}{l} a) \quad M_E = 41.19 \quad \underline{\underline{\text{or}}} \quad 4.45 \\ b) \quad M_m = 12.34 \quad \underline{\underline{\text{or}}} \quad 10.85 \end{array}$$