

CE 201-3 (072)

H.W. # 8 Final Answers

$$\left. \begin{array}{l} 1) \\ 2) \end{array} \right\} \begin{array}{l} V_{max}^+ \approx 233.9 \text{ or } 408.9 \text{ or } ? \\ V_{max}^- \approx 8.93 \text{ or } 0 \text{ or } ? \\ M_{max}^+ \approx 808.93 \text{ or } ? \\ M_{max}^- \approx 482.1 \text{ or } ? \end{array}$$

$$3) \begin{array}{l} V_{max}^+ = 515 \text{ or } ? \\ V_{max}^- = 2400 \text{ or } ? \\ M_{max}^+ = 2,000 \text{ or } 200 \text{ or } ? \\ M_{max}^- = 6,000 \text{ or } 600 \text{ or } ? \end{array}$$

4) Please make the shear at left

15 L (cut L)  $\Rightarrow$

$$\text{Dist. } w = 20 \text{ or } 40 \text{ or } ?$$

$$M_{max} = + \text{ or } - \frac{45}{16} L^2 \text{ or } 5L^2 \text{ or } ?$$

$$5) \begin{array}{l} V_{max}^+ = 40 \text{ or } 80 \text{ or } ? \\ V_{max}^- = 0 \text{ or } 40 \text{ or } ? \end{array}$$

$$\text{load } w = 20, 40, 60, 80 \text{ or } ?$$

or ?? !!