

### HOMEWORK SET 4B

Calculate the moment when the reinforcement first reaches the yield point for the section shown in the figure below using the method of transformed sections. Assume that the concrete to remain linear elastic. Compare your answer with your answer to HW set 4(b).

$$f'_c = 4 \text{ ksi}$$

$$f_y = 60 \text{ ksi}$$

$$f_r = 530 \text{ psi}$$

