

CE 201 (08L)

(Secs. 4 & 6)

## H.W. #11 Final Answers

1) a-  $F_{inc} = 10.26 \cong 15.0$

b- Yes!  $\Rightarrow$  show!

2)  $F = W (\sin \alpha + 5M_s \cos \alpha)$

or

$$F = W \sin \alpha (M_s \cos \alpha)$$

3)  $289.9 - 813.2 \cong 124.7 - 927.5$

4)  $h_{inc} = 5.82 \cong 4.97$

5)  $m_c = 5879 \cong 785$