DEFLECTION OF BEAMS (1/3)

<u>CIVE311 – STRUCTURES I</u>

(Wednesday, March 26, 2008)

Exercise I/I

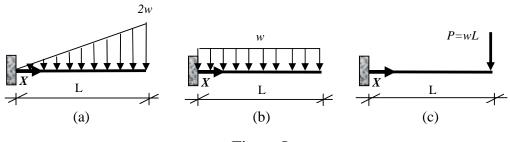


Figure I

1.

Referring to <u>Figure I</u> , calculate the total load and reactions for the beams (a,b,c) & compare.		
Calculations and Diagrams:		

2.	Calculate the slopes and deflections at the tip of beams (a,b,c) and compare, using for: (a) EIv" = $M(x)$ (b) EIv"" = $W(x)$ (c) Moment-Area Theorems
	Calculations and Diagrams:

Calculations and Diagrams (cont'd):		

Calculations and Diagrams (cont'd):		