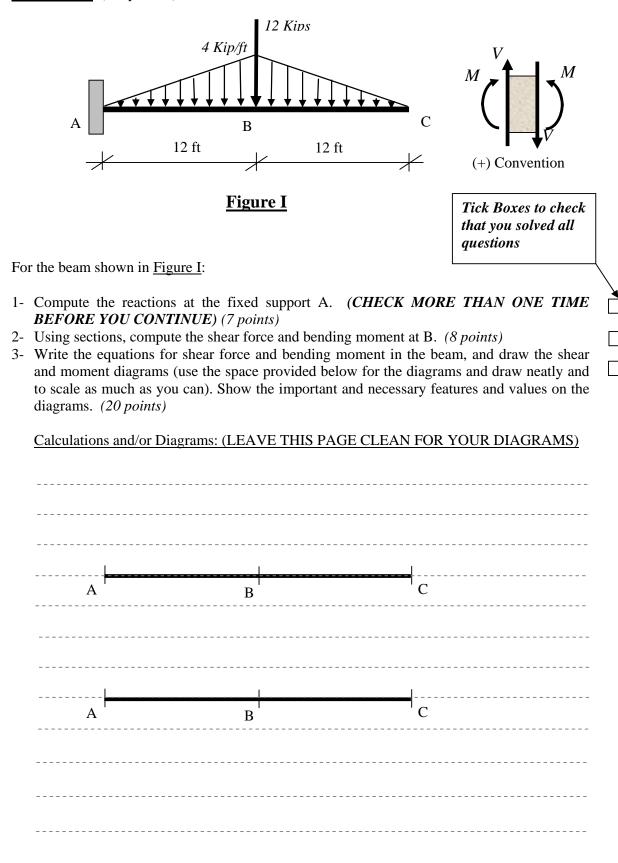
#### QUIZ 2 Fall 2015-16

(Wednesday November 25, 2015)

### CIVE210 - STATICS **CLOSED BOOK, 1 HR 30 MN**

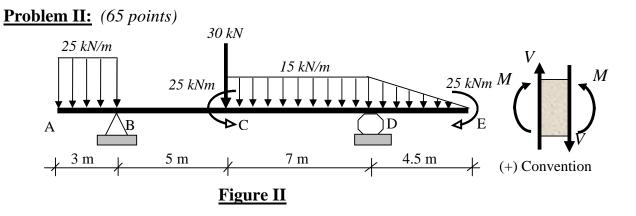
NOTES	
2 PROBLEMS– 11 PAGES	•
	HOULD BE PROVIDED ON THE QUESTION SHEETS.
	ARE PROVIDED AT THE END.
	SHEETS IF YOU NEED MORE SPACE.
	REQUIRE MUCH LESS THAN THE SPACE PROVIDED.
	OF THE SHEETS FOR ANSWERS.
	BE PROVIDED; BUT DO NOT USE FOR ANSWERS.
<u> </u>	IS AND DRAFT BOOKLET SHOULD BE <u>RETURNED</u> .
~	CONFIRM THAT YOU HAVE SOLVED A QUESTION.
DO NO	T WRITE IN THE SPACE BELOW
MY COMMENT(S)	
MY COMMENT(S)	
MY COMMENT(S)	Problem I:/3
MY COMMENT(S)	Problem I: /3 Problem II: /6
MY COMMENT(S)	Problem II:/6
MY COMMENT(S)	
MY COMMENT(S)	Problem II:/6

#### **Problem I:** (35 points)



Calculations and/or Diagrams (cont'd):

Calculations and/or Diagrams (cont'd):



For the beam shown in Figure II:

		the reactions at suntring the reactions at suntring the s	apports B and D. ( <i>CH</i> ints)	ECK MORE THAN	ONE TIME BEF	ORE [
2- 3-	Using sect Using the diagrams to scale as n	tions, compute the method of inte for the beam (use nuch as you can)	e shear force and bend gration (or areas), d the space provided be . Show the importar	Iraw the shear force elow for the diagrams nt and necessary feat	and bending mo and draw neatly a cures and values of	ment nd to [ n the
4-	Without	recalculating or	maximum positive and redrawing, explain two moments of 25 k	how the reactions,	and shear and mo	ment <sub>I</sub>
	Calculatio	ns and/or Diagrai	ms: (LEAVE THIS PA	AGE CLEAN FOR Y	OUR DIAGRAMS	<u>S)</u> 
	A	B	C	D	E	

Calculations and/or Diagrams (cont'd):

Calculations and/or Diagrams (cont'd):

Calculations and/or Diagrams (cont'd):

Calculations and/or Diagrams (cont'd):

## EXTRA SHEET 1: Continued from page

ame:	<u>ID#:</u>
Calculations and/or Diagrams:	

# EXTRA SHEET 2: Continued from page

ame:	<u>ID#:</u>
Calculations and/or Diagrams:	