

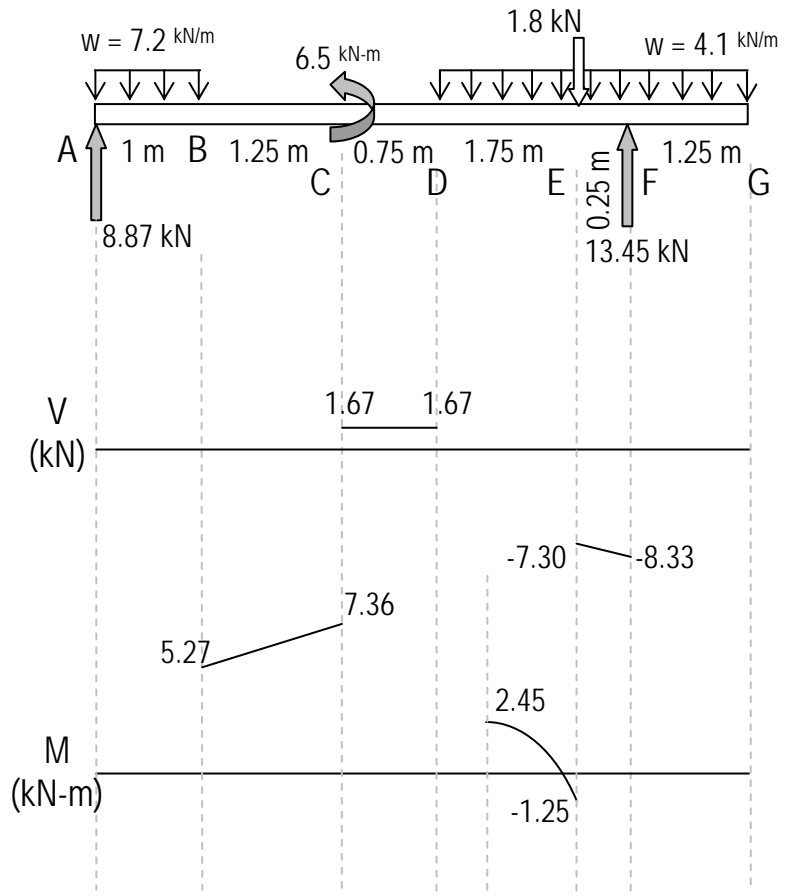
### ENDS 231: Practice Quiz 6

*Note: A one page (one sided) crib sheet is allowed during the quiz, along with a silent, **non-programmable** calculator.*

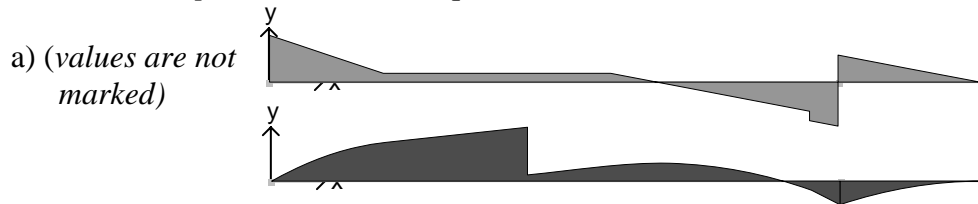
Clearly show your work and answer.

Given the beam with the following loading and support reactions:

- a) Complete the shear and bending moment diagrams by plotting all lines and identifying all values.
- b) What is the maximum shear and maximum bending moments? Clearly indicate where they are located.
- c) [some short question from the text material]



Answers— Not provided on actual quiz!



b)  $V_{\max} = 8.87 \text{ kN}$  at A,  $M_{\max} = 7.36 \text{ kN-m}$  at C

**Disclaimer: Answers have NOT been painstakingly researched.**