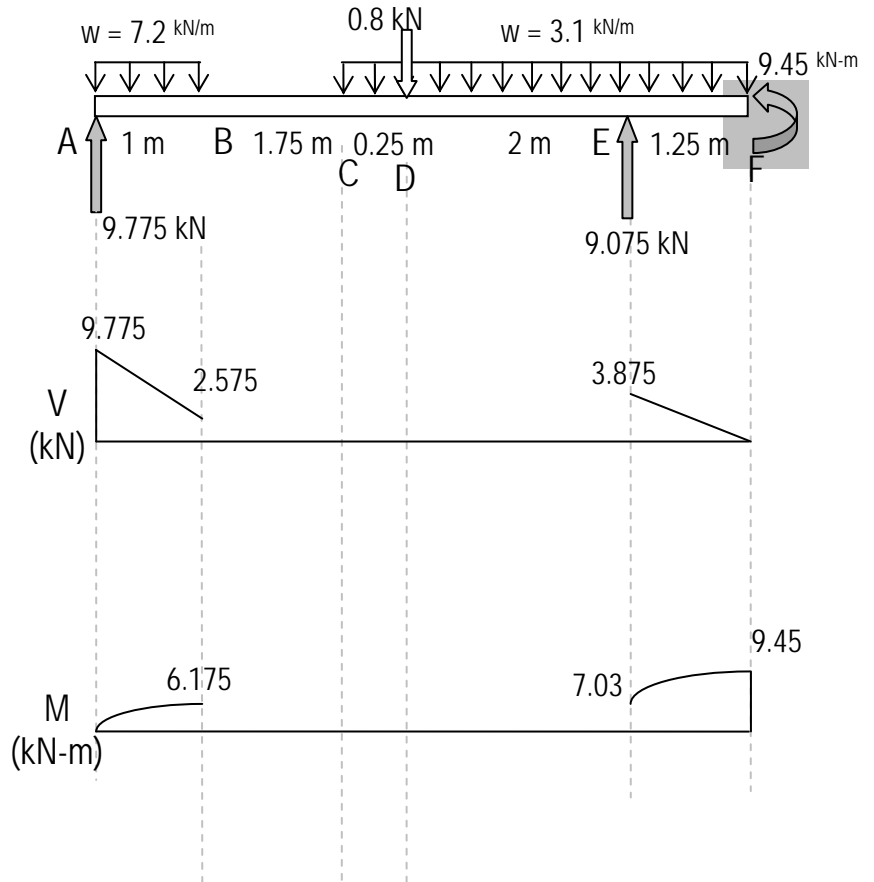


ENDS 231: Practice Quiz 6

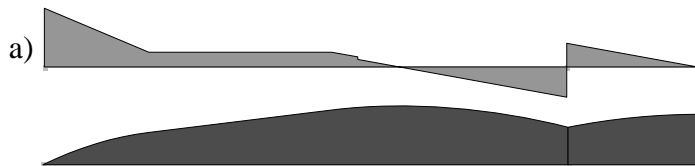
Clearly show your work and answer.

Given the beam with the following loading and support reactions:

- a) Complete the shear and bending moment diagrams.
- 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:



- b) $V_{\max} = 9.775 \text{ kN}$ at A, $M_{\max} = 11.38 \text{ kN-m}$ at 0.322 m to right of D

Disclaimer: Answers have NOT been painstakingly researched.