

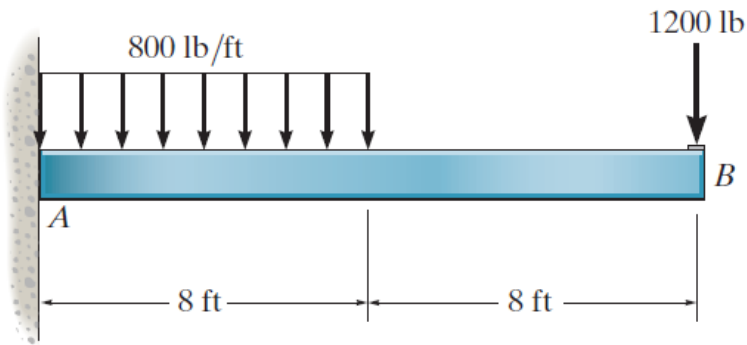
CME 260 – Mechanics of Materials  
Exam #6 (03/30/2022)

Tech ID or Star ID: \_\_\_\_\_

Do one of the two problems shown below (the second problem is on the back).

Show your work (you will not receive any credit if all you have is a final answer, right or wrong).

(1) The beam has a square cross section measuring 9 inches on a side. Determine the absolute maximum bending stress in the beam.



(2) The beam is made of three boards assembled as shown and is subjected to a moment of 650 N·m. Determine the maximum tensile and compressive stresses in the beam.

