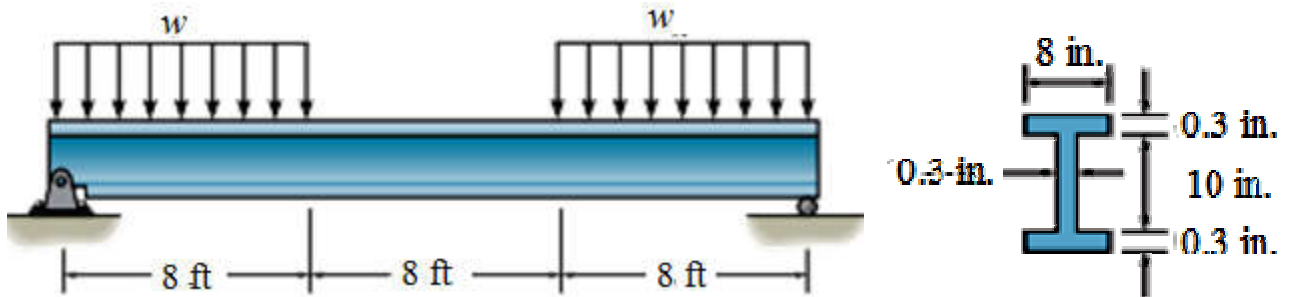


Student Name: _____

St.No.: _____

1. The steel beam has the cross-sectional area shown in fig. If $w = 5 \text{ kip/ft}$, determine the absolute maximum bending stress in the beam.



2. For the beam and loading shown, consider section $n-n$ and determine (a) the largest shearing stress in that section, (b) the shearing stress at point a .

