## **Answers – VOLUME 2: STRESSES, STRAINS, DISPLACEMENTS**

Chapter 5, Shear Forces and Shear Stresses Due to Bending

problem 5.020, page 390

Remarks: See §5.4.1, pages 311 till 322

## Answers:

a. point B

b. point A

## Explanation:

The shape of the shear stress over the height of the cross-section is parabolic. The maximum value is at half-height  $\tau = \frac{3}{2} \frac{V}{A}$ .

The shear stress is zero at top and bottom edges  $\tau = 0$ .

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