| Name:_____ | **Quiz # 11** | Score _____ |
| ID #: _____ | | 10 |

Rewrite the solution of the problem below from the HW that you just did (without looking at your solution).

*8–28. The joint is subjected to a force of $P = 0.4$ kN and $F = 0$. Sketch the normal-stress distribution acting over section a–a if the member has a rectangular cross-sectional area of width 50 mm and thickness 12 mm.

$$\sigma = -\frac{My}{I}$$

$$\bar{I} = \frac{1}{12} b h^3$$

12 mm

50 mm

F

32 mm

P