| Name:_____ | **Quiz # 2** | Score _____ |
| ID #: _____ | | 10 |

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

The wood specimen is subjected to the pull of 10 kN in a tension testing machine. If the allowable normal stress for the wood is $(\sigma_t)_{allow}$ = 12 MPa and the allowable shear stress is τ_{allow} = 1.2 MPa, determine the required dimensions b and t so that the specimen reaches these stresses simultaneously. The specimen has a width of 25 mm.