



**MEMORIAL UNIVERSITY OF NEWFOUNDLAND**  
**FACULTY OF ENGINEERING AND APPLIED SCIENCE**

**Engineering: 5312**  
**Assignment 2**

**Mechanics of Solids II**

1. Solve Problems from the book:  
10-58,  
10-76 (find the safety factors using Tresca, von Mises, and max. principal stress theories),  
10-88,  
10-91 (find the diameter using both Tresca and von Mises theories)