CVEN 305 Honors - Homework #10 Supplemental Problems
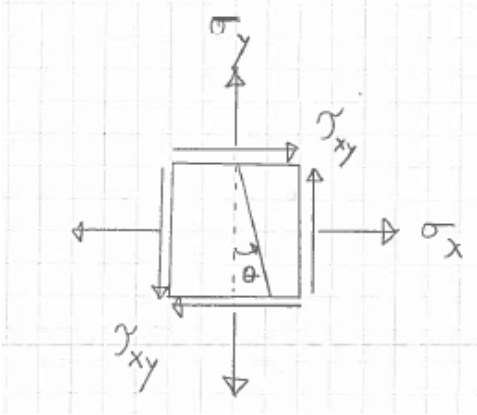
1) **For Problem 1 & 2,** Using the stress transformation equations, as discussed in class, write a computer program to solve for the normal and shearing stresses on a given plane for a given state of stress. The program should output the values for the normal and shearing stresses and indicate whether they are positive or negative. You may check your program by solving the problems given by McGraw-Hill Connect.

2) **For Problem 3 & 4,** Using the stress transformation equations, as discussed in class, write a computer program to solve for the principal stresses, the maximum and minimum shearing stresses, and their associated principal axes for a given state of stress. You may check your program by solving the problems given by McGraw-Hill Connect.