## Unified Engineering

## Problem M14

For each of the states of plane stress shown acting on the differential elements drawn below do the following:

1) Draw a Mohr's circle describing the stress state.
2) Determine the principal stresses and the maximum shear stress
3) Calculate the angle from the $x_{1}$ direction as shown to the more tensile principal stress direction. Note whether the angle is clockwise or counterclockwise.

(c)

400 MPa


