

CE 203-3 [072]

H.W. # 12 Final Answers

1) $\sigma_y = 23.43$ or ?!
 $\tau_{xy} = 0$ or ?!
 $\sigma_{max} = 23.43$ or ?! ; $\sigma_{min} = -46.31$ or ?!
 $\tau_{max} = 34.87$ or ?! ; $\tau_{min} = ?!$

2) } $\sigma_{max} = 35.3$ or ?! ; $\sigma_{min} = -45.3$ or ?!
 3) } $\theta_{p_{1,2}} = 75.1^\circ, 165^\circ$ or ?!
 $\tau_{max} = 40.3$ or ?! ; $\tau_{min} = ?!$
 $\theta_{s_{1,2}} = 30.13, 120.1$ or ?!
 $\sigma_p = 20.8$ or ?! ; $\sigma_n = 30.8$ or ?! ; $\tau_{pn} = 31.0$ or ?!

4) sketches

5) $\sigma_{max}^T = 53.18$ or ?!
 $\sigma_{max}^C = 60.48$ or ?!
 $\tau_{max} = 30.24$ or ?!