



**QUIZ 8**

13 March 2015  
Doç. Dr. M. Ali Güler

Ad, Soyad: \_\_\_\_\_  
No: \_\_\_\_\_

**Problem:** By drawing mohr circle of the shown element,

- a) Determine the principal stresses,
- b) Determine the maximum in plane shear stress,
- c) Determine the average normal stress,
- d) Specify the orientation angle,
- e) Determine the equivalent state of stress for an element oriented  $60^\circ$  counterclockwise from the element shown.

