



MAK 206 Strength of Materials – 2016-2017 Spring

**QUIZ 4**

17/02/2017

Ad-Soyad : \_\_\_\_\_

Prof.Dr. M.Ali Güler

No : \_\_\_\_\_

**!!!!!!!!!!!!!! 15 Minutes !!!!!!!!!!!!!!!**

The shaft is made of A-36 steel. It has a diameter of 25 mm. and is supported by bearings at A and D, which allow free rotation. Determine the angle of twist of gear C with respect to B.

( $G_{st} = 75 \text{ GPa}$ )

