



NAME

DATE

## HANDOUT PROBLEM 20 OCT 005

**GIVEN:** DETERMINE THE MAXIMUM SHEAR STRESS IN THE STEEL SHAFT.

TAKE  $d_{AC} = 0.5$  in,  $d_{BC} = 1.0$  in,  
 $L_{AC} = 5$  in,  $L_{CD} = 8$  in,  $L_{BD} = 12$  in,  
 $T_D = 500$  lb-ft,  $G_{ST} = 10.8E3$  ksi.

**REQUIRED:**

**SOLUTION:**

