## ME 205 – STATICS – FALL 2014 SECTION 04

## **HOMEWORK #3**

Prepared by: Mümin Özsipahi Date: 05.11.2014

**Room:** C-206 **Phone:** 210 7232 **Due:** 12.11.2014 until 16:00

E-mail: ozsipahi@metu.edu.tr Room: C-206

## Problem

For the given figure below,

a) Find the moment of the force  $F_A$  about point C.

b) Find the moment of the force  $F_A$  about axis OD.

c) Find the moment of the couple formed by forces  $F_B$  and  $F_D$ .

d) Replace all the given loading by an equivalent resultant force and a moment at point O.

