Middle East Technical University

Department of Civil Engineering

Fall 2014

**CE 425 Introduction to Finite Elements**

Assignment # 3 (due November 3, 2014 till 10:00)

Q1) Draw the torsion and moment diagrams for the given structure.

E=20000 MPa

Assume axial rigidity.

Cross Section:

2

zZ

60cm

zZ

3

zZ

40cm

zZ

Y

zZ

2

zZ

C

3

zZ

3

zZ

2

zZ

6m

5m

10 kN

X

zZ

Z

zZ

B

A