Assessment 01

1. Create the part in NX using the following values for the given variables. Use the unit system MMGS, and material as Alloy Steel (density = 7700 kg/m^3). The cut-outs on the webs are on both sides (there should be 4 total).

   A = 100

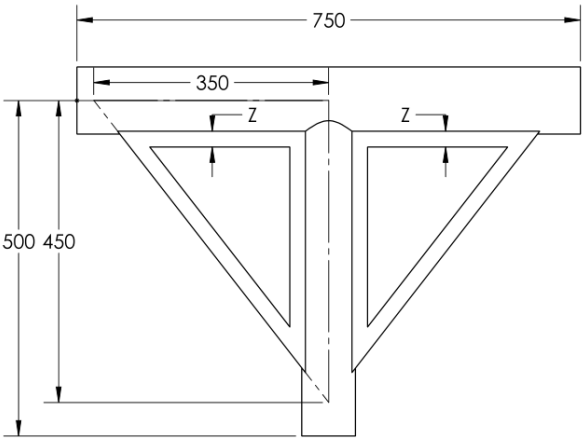
   B = 70

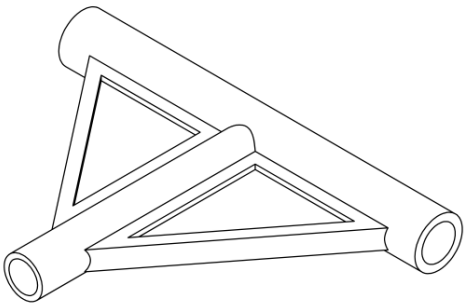
   C = 10

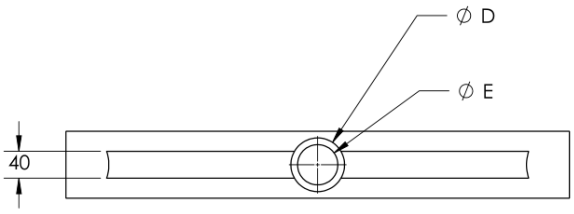
   D = 80

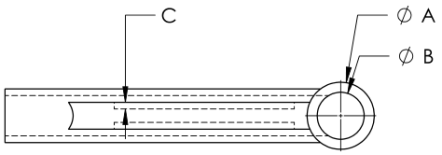
   E = 60

   Z = (C+E)/3









What is the mass of the part in grams?

a) 6702.59

b) 26207.45

c) 53501.76

d) 51609.93

2. Create the parts in NX using the below images. Use the unit system MMGS, and material as AISI Steel 4340 (density = 7850 kg/m^3).