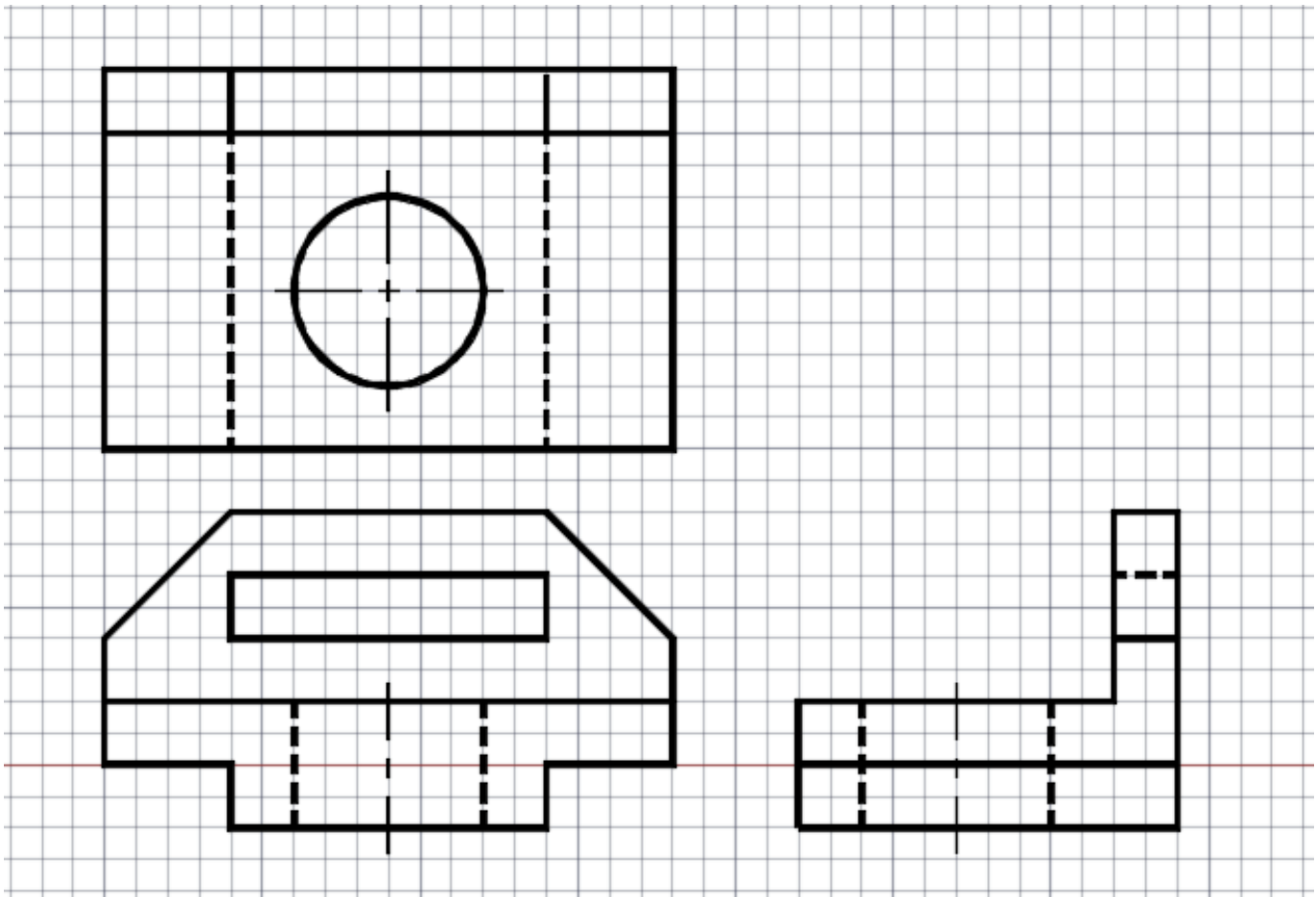


University of Jordan/ School of Engineering
Mechanical Engineering Department
Final Manual Drawing Exam/ 29-5-2021

Time: 14:00 To 15:20 (80 minutes)

Question (1) [10 points]

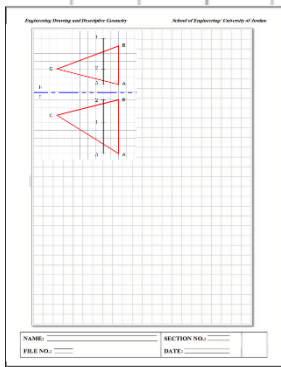
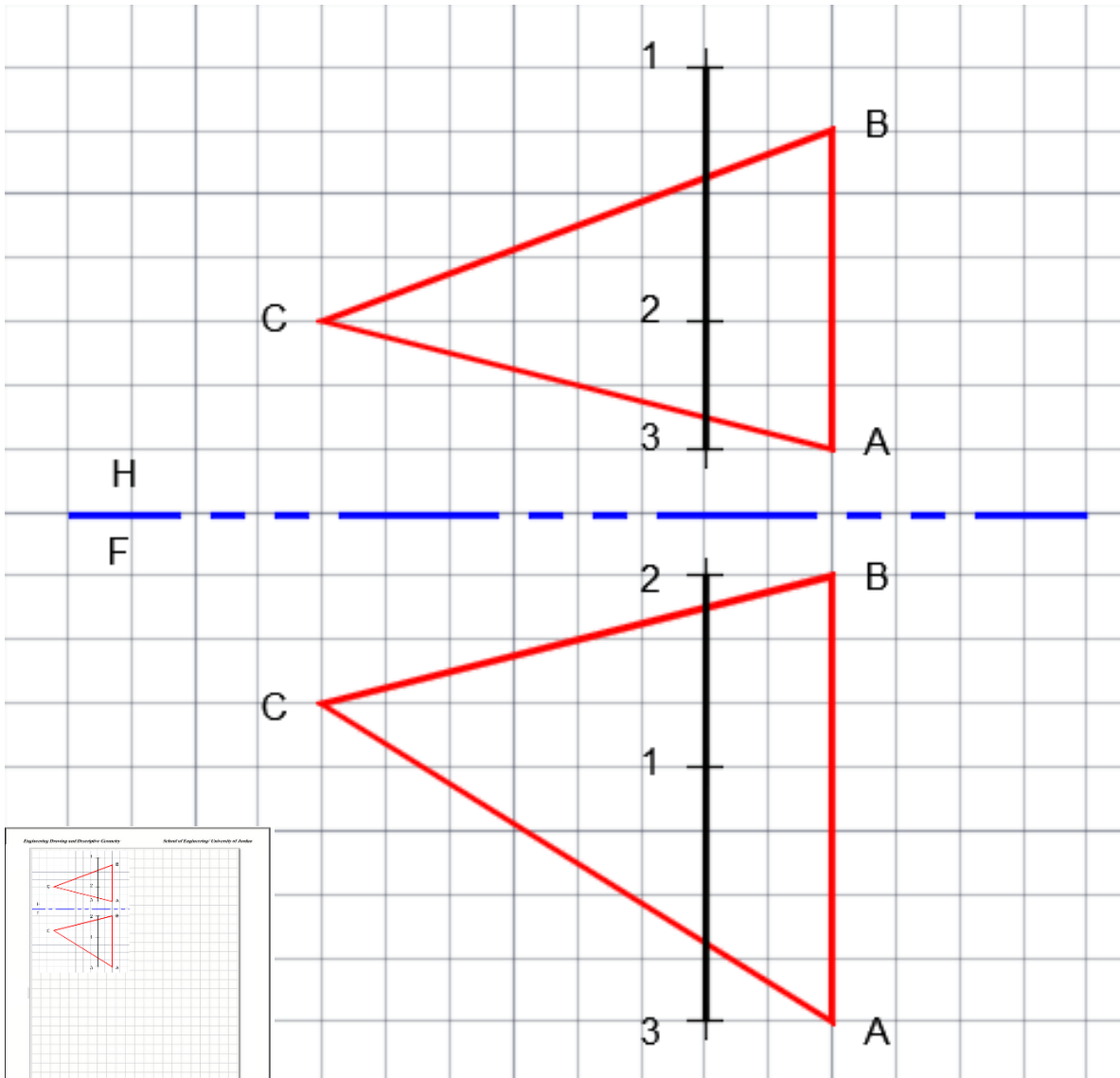
For the given orthographic views, draw an isometric drawing using an isometric grid paper from your drawing manual.



University of Jordan/ School of Engineering
Mechanical Engineering Department
Final Manual Drawing Exam/ 29-5-2021

Question 2 [5 points]

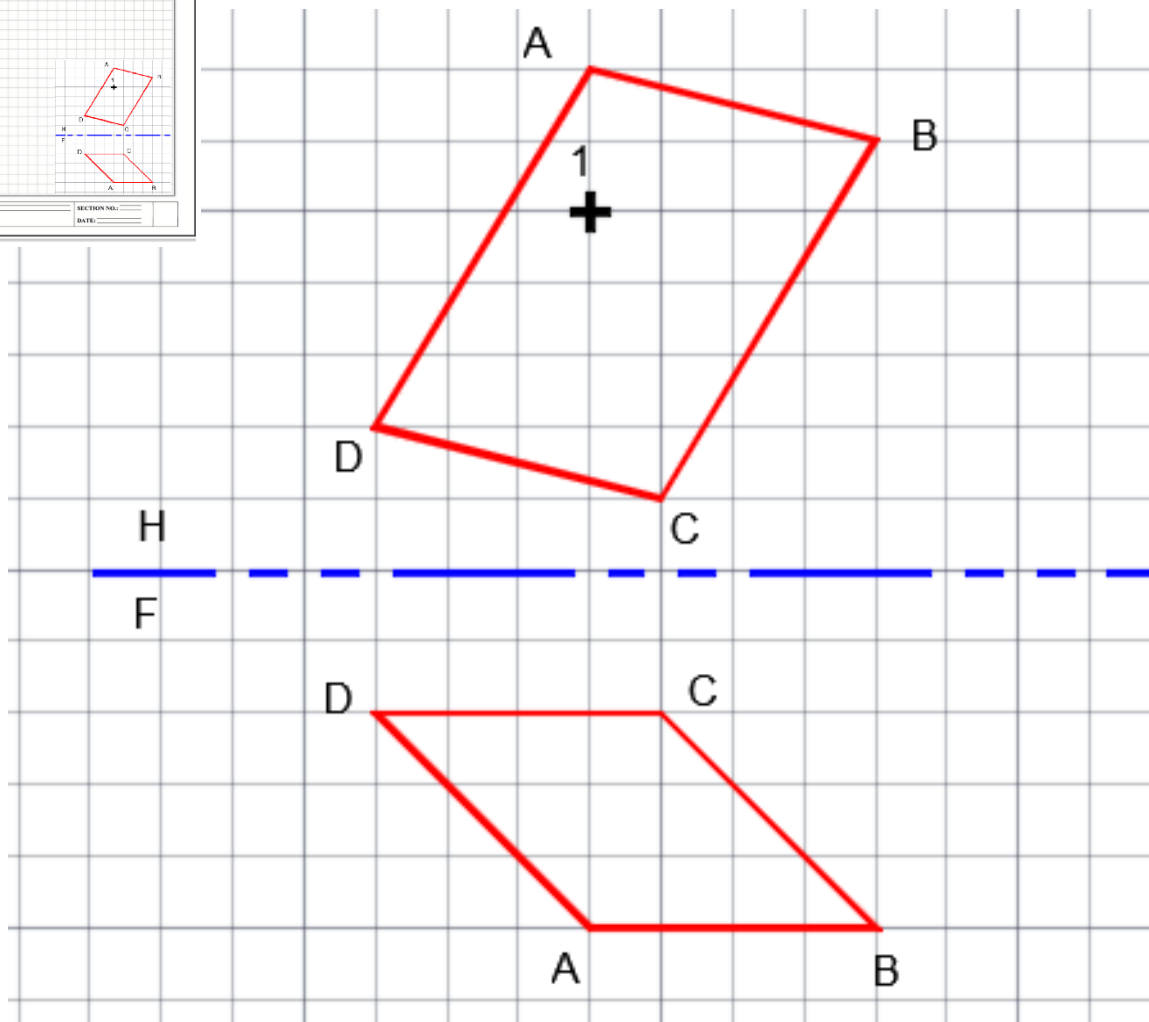
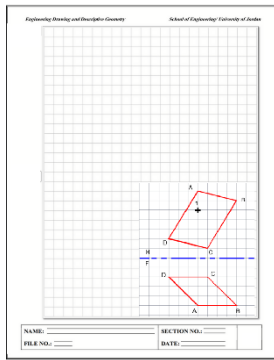
Find the dihedral angle between the two planes (ABC) and (123) using a grid paper from your drawing manual.



University of Jordan/ School of Engineering
Mechanical Engineering Department
Final Manual Drawing Exam/ 29-5-2021

Question 3 [5 points]

Point (1) is a corner of the square (1234) lying in the plane (ABCD). Two sides of the square are parallel to the line (AD) and has a side length half the true length of line (DC). Draw the question using a grid paper from your drawing manual, then complete the square all views.



University of Jordan/ School of Engineering
Mechanical Engineering Department
Final Manual Drawing Exam/ 29-5-2021

Question 4 [5 points]

All corner points of line (ABCDEFG) lies in one plane. Complete the missing corners of the line in the front view.

