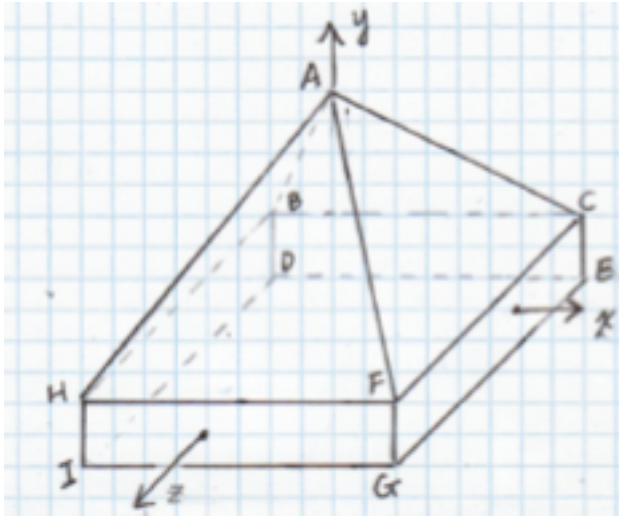


Homework 8 (Due beginning of class Wednesday, Oct 31st)

$A=(0, 6, 0)$, $B=(-4, 1, -1)$, $C=(6, 1, -1)$, $D=(-4, -1, -1)$, $E=(6, -1, -1)$,
 $F=(6, 1, 4)$, $G=(6, -1, 4)$, $H=(-4, 1, 4)$, $I=(-4, -1, 4)$

1. Given the 3D mesh object in the picture above, show:
 - a. The vertex list
 - b. The normal list. Compute the normals of the faces using Newell's method. Show computation steps involved.
 - c. The face list. Each face should include the vertex (index) list, as well as the normal (index) list.
2. Download the extruded mesh program from the course web site. Modify the program to produce extruded capital letter of your first and last initial. Turn in the modified main.cpp and a screen shot of your program output.