CIS 441/541: Project #1C  
Due by midnight April 12th, 2013  
Worth 3% of your grade  

Instructions  
1) Download reader.cxx. It has a routine to read triangles from a file.  
   Incorporate its GetTriangles routine in the place of GetTriangles from project 1B.  
2) Download the geometry file “proj1c_geometry.vtk”.  
3) Implement the scanline algorithm for arbitrary triangles and fill up the image buffer with their colors.  
4) Note that the output image is 1786x1344. You should initialize the buffer to be black (0,0,0). This was done for you in project1b.cxx, so just make sure that code didn’t go anywhere.  
5) The correct image is posted to the website. I recommend you wait to look at the right answer until your program has produced the image. Leave a little mystery in life!  

Note that differencer.cxx has hard coded paths, so you will either need to modify it or change your output image names to match.  

When you are done, send me:  
- your code  
- a screen shot of the differencer program congratulating you  
- if there are differences, send me the differenceMap.png that differencer produces and image output of the program.