# Nanyang Technological University

School of Computer Science and Engineering



CZ 2003 - Lab 1:

Visualization using polygons

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## Part 1: Experimenting with given polygon (pyramid)

### 1.1 Display Simple Polygon Mesh

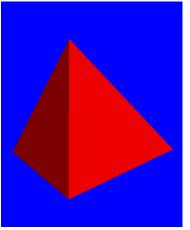
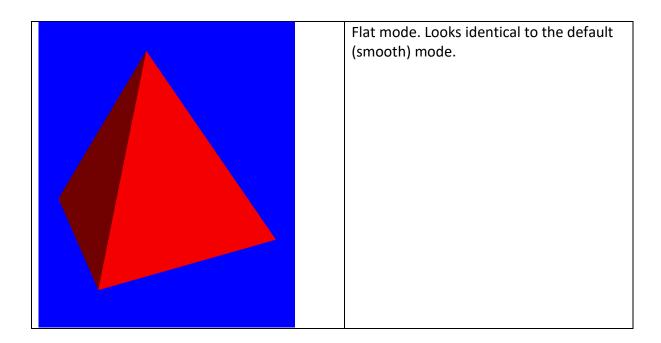


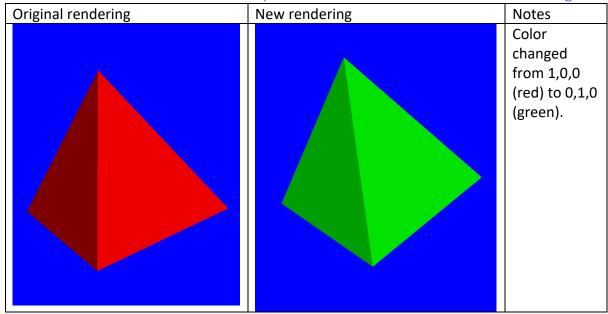
Figure 1: The red pyramid, rendered as is from polygons.wrl with no changes to code

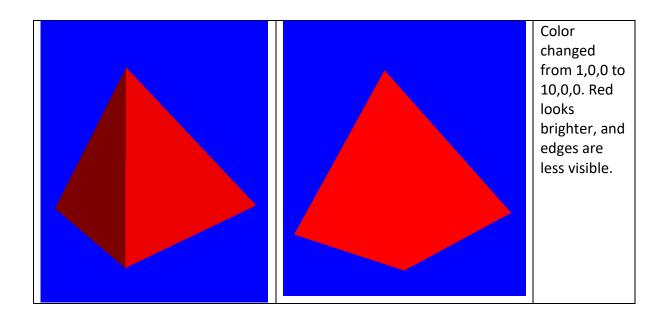
### 1.2 Explore different Graphics Modes of the VRML browser (Wireframe, Vertices, Flat)

Rendering	Graphic Mode
	Wireframe. Vertices are connected.
	Vertices mode. Sky color changed to black and image enlarged to show vertices more clearly. However, not all vertices can be seen clearly here.



### 1.3 Examine how the color of the shape defined in diffuseColor field can be changed





Part 2: Making New Polygons

2.1 Make a 2D Hexagon

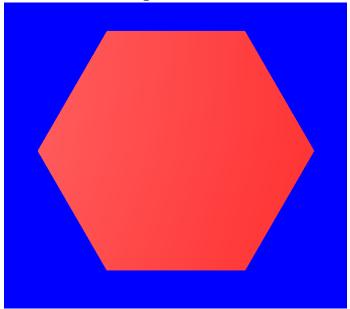


Figure 2: 2D Hexagon. Source code: hexagon.wrl

