Question 1. (2 marks)

Describe the shape of the default OpenGL view volume.

Question 2. (6 marks)

Describe the components in the *pipeline* architecture of OpenGL, including a diagram that relates these components in the pipeline.

Question 3. (2 marks)

Give two common applications of vertex shaders in OpenGL.

Question 4. (6 marks)

(a) (3 marks) Explain clearly what the following functions do in OpenGL:

i) glutInitDisplayMode(GLUT_SINGLE);

ii) glutMainLoop();

(b) (3 marks) Briefly describe how the z-buffer algorithm works.

Question 5. (4 marks)

What is a *callback* function in the context of interactive programs? Give two examples of callbacks in OpenGL, and explain the purpose of each.

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