1. Let $G = (V, E)$ be an undirected graph with vertices

$$V = \{v_1, v_2, v_3, v_4, v_5, v_6\}$$

and edges

$$E = \{\{v_1, v_2\}, \{v_1, v_3\}, \{v_1, v_4\}, \{v_2, v_3\}, \{v_2, v_6\}, \{v_3, v_5\}\}$$

(a) Draw a graphical presentation of the graph $G$. (40)

(b) What is the degree of vertex $v_2$? (20)

(c) Is $G$ a bipartite graph? Justify your answer. (40)