

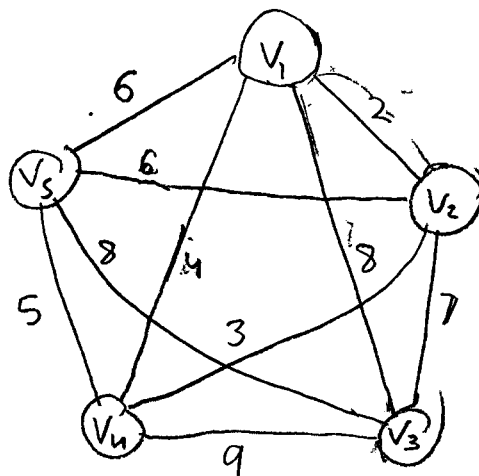
Attendance Quiz for Lecture 11

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1. (a) Draw the weighted network (graph) whose matrix is

$$\begin{matrix} & \begin{matrix} V_1 & V_2 & V_3 & V_4 & V_5 \end{matrix} \\ \begin{matrix} V_1 \\ V_2 \\ V_3 \\ V_4 \\ V_5 \end{matrix} & \begin{pmatrix} 0 & 2 & 8 & 4 & 6 \\ 2 & 0 & 7 & 3 & 6 \\ 8 & 7 & 0 & 9 & 8 \\ 4 & 3 & 9 & 0 & 5 \\ 6 & 6 & 8 & 5 & 0 \end{pmatrix} \end{matrix}$$



(b) Find a minimum spanning tree

