

- 1) i) b ii) a iii) d iv) c
 2) a) ~~{1,2,3,4}~~ {1,2,3,4}
 b) None
 c) None
 d) {1,2,5}

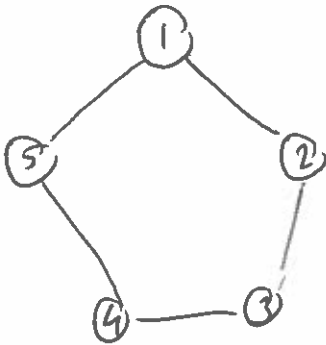
David Papp

Exam DAY 16 HW

[x]

[]

3.



4. $G = \{ \{1,2,3,4,5,6\}, \{ \{1,2\}, \{1,3\}, \{1,4\}, \{2,3\}, \{3,4\}, \{3,5\}, \{4,5\} \} \}$

II.

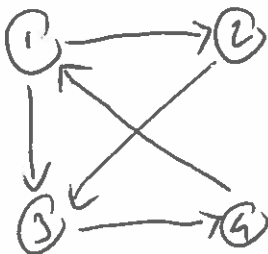
5. i) a

ii) c

iii) b

6. {a, c}

7.



Yes ($\{1,2,3,4\}$ and $\{1,3,4\}$)

$$6. G = (\{1, 2, 3, 4\}, \{\{1, 2\}, \{2, 4\}, \{3, 1\}, \{3, 2\}, \{3, 4\}\})$$

7.

$$\begin{matrix} & \begin{matrix} 1 & 2 & 3 & 4 \end{matrix} \\ \begin{matrix} 1 \\ 2 \\ 3 \\ 4 \end{matrix} & \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 0 \end{bmatrix} \end{matrix}$$