1.1 a) A, B - finite sets

[AXB] = number of elements in cart product

$$P(AxB) = 2^{[AxB]}$$

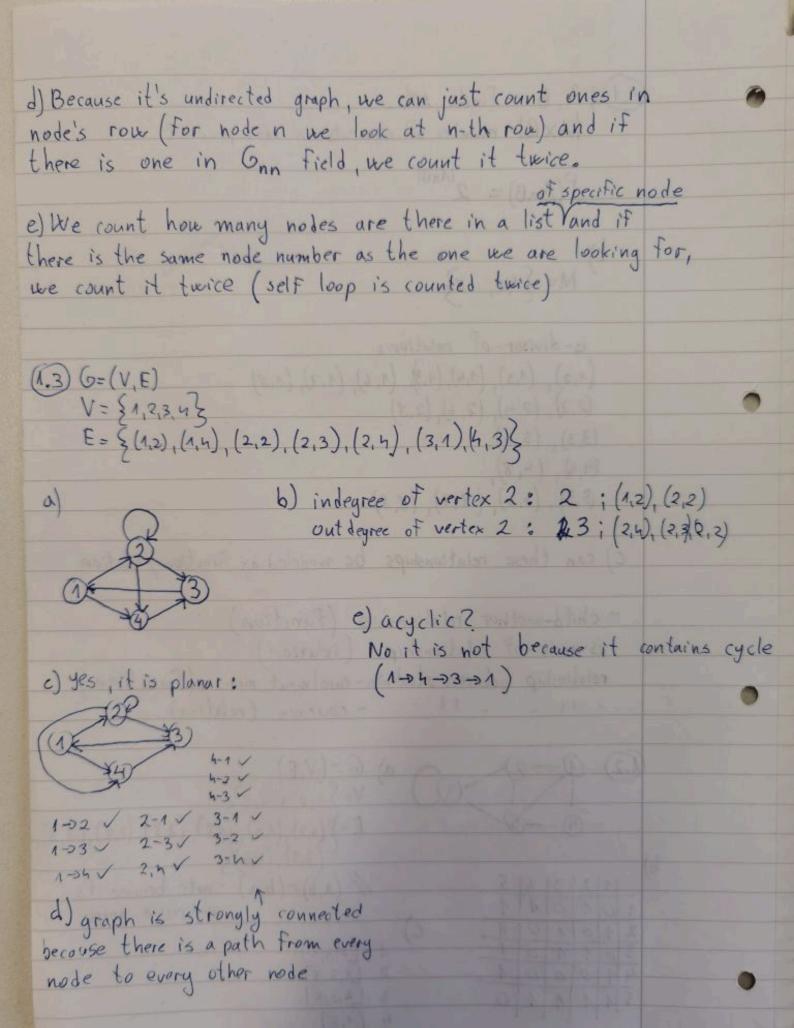
b) M= $\{1,2,...8\}$

is-divisor-of relation:

 $\{1,2\}, \{1,3\}, \{1,4\}, \{1$

1,5

1,2,3,4



- dexample: h-g-f-a-g-d-h-e-b-a-c-d-b

 My logic: if a node has odd degree, the path HAS to

 either start or finish at that node. In this graph, we

 have 2 nodes with odd degree so it's possible if we

 start at one and finish at other
- b) No, it doesn't have to exist Euler tour/path because more than 2 nodes might have odd degree and still be complete.