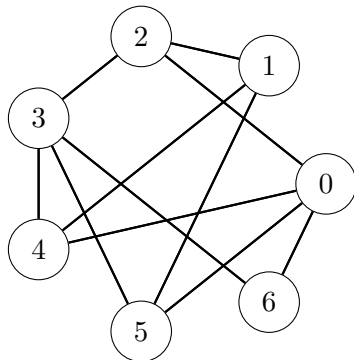


1

- b) i. Degree of each vertex from the given graph.

V	deg(v)
0	4
1	3
2	3
3	4
4	3
5	3
6	2
sum	22

- ii. Graph G:



Number of edges = 11 and $2 \times 11 = 22 = \text{sum of degrees}$.

3

- a) Tree:

