









How many different undirected graphs are there on {a, b, c}: Draw all of them How many different undirected graphs are there on {a, b, c, d, e}? Don't draw them all

Draw a graph that has degree sequence 1, 2, 3, 3, 3

How many edges does $M_{n,m} \mbox{ have}?$





Graph concepts Undirected Graph Adjacency Matrix Isomorphic Graphs Directed Graph Path

- · Adjacent
- Incident
- deg(v)
- deg⁻(v)
- deg⁺(v)
- K_n
- Q_n
- Bipartite Graph
- · Connected Graph •
- Strongly Connected Graph
- Weakly Connected Graph
 Strongly Connected
 Component

- Connected Component Graph Coloring