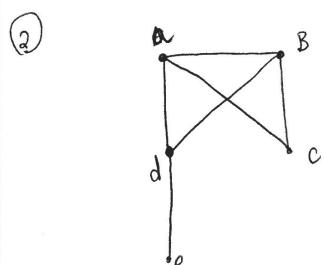
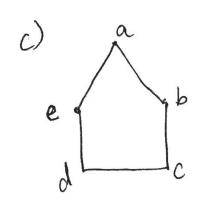
- D @ E=Lag, af, ab, be, cg, cf, cd, his
 - 6 N(86, d, h/s) = & a, e, c, i's
 - (C) 11=9
 - (d) deg (c)=3
 - (e) f and d are not adjacent since fd is not an edge in &
 - Des, it is a simple graph because there are no loops and multiple edges.
 - 9 V1= & a, C, e, hb V2 = &b, a, f, g, ib. Yes, G is a bipartite graph.
 - (h) G is not connected because there is no path from a to h.
 - 1) No, le does not have an Euler circuit because all vertices do not have even degree. For unstance, deg(a) = 3.



- 3) a) Not possible because sum of degrees is odd (4+4+4+4+3=19)
 - b) Not possible beause sum of degrees is odd (5+5+5+5+5=25)

Not possible because maximum possible. degree in a simple graph with 5 vertices is 4



i