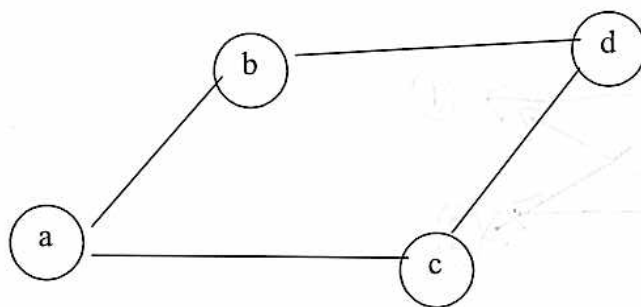
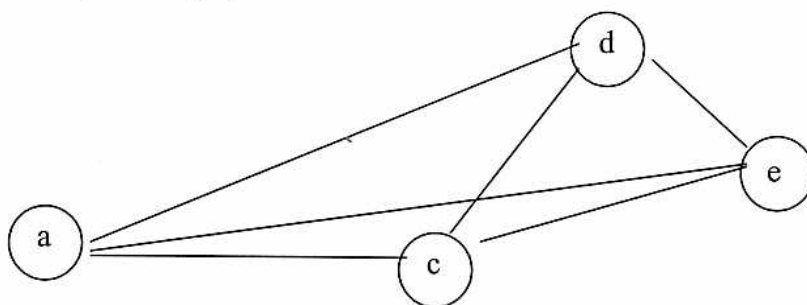


8. Here is a diagram of graph G:



Here is a diagram of graph H:



3 pts.

- a) TRUE or FALSE: G is completely connected.
- b) TRUE or FALSE: G is a cycle.
- c) TRUE or FALSE: G is bipartite.
- d) TRUE or FALSE: G is a simple graph.
- e) TRUE or FALSE: G is isomorphic with a 2-cube.
- f) TRUE or FALSE: G is a wheel.
- g) TRUE or FALSE: H is completely connected.
- h) TRUE or FALSE: H is a wheel.
- i) TRUE or FALSE: H is bipartite.
- j) TRUE or FALSE: In G, vertices a and c are adjacent.
- k) TRUE or FALSE: In G, vertices b and c are adjacent.
- l) In graph G, what is $\deg(a)$? 2