



Which of the following is **not** an **induced** subgraph?

(3 points)

- A.{{a,d},{d,j},{g,j},{a,g}}
- B.{{a,d},{d,j},{g,j},{a,g},{g,e}}
- C.{{a,d},{d,j},{g,j},{a,g},{g,e}, {e,f}}

✓ D. None, all are induced subgraphs.

2. Consider the following graph G=(V,E) with |V|=10 and |E|=12.



If you removed vertex **b** (and its incident edges) from G, how many **spanning** subgraphs of the original graph G could you produce? (3 points)

√ A.0 B.1 C.2

D.10

3. Consider the following graph G=(V,E) with |V|=10 and |E|=12.



Suppose the subgraph G' is obtained from G by removing vertices h and e (and all their incident edges). What is K(G')?

- (3 points)
- √A.1 B.2
 - C.3
 - D.8