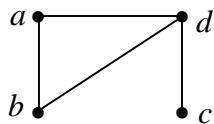


Name \_\_\_\_\_

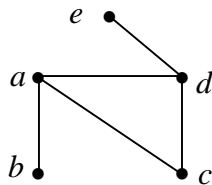
University of Baltimore  
Math 321: Discrete Structures  
Chapter 8.1-3(D): Graphs, part 1

Date \_\_\_\_\_

BECAUSE THIS IS A GRADED ASSIGNMENT, YOU MAY NEITHER GIVE NOR RECEIVE HELP. Answer each question as indicated. **Think** first, then write. **Show all your work**, and remember to **check** your answers! Place your answers in the spaces provided.



graph A



graph B

1. For both graphs A and B, indicate which of the following that apply: simple, multigraph, directed, pseudograph.

A:

B:

2. In the space below draw the necessary features to turn graph A into a complete graph.

3. Draw all subgraphs of graph A. (Remember to keep all vertices.)

4. Draw the union of graphs A and B (the originals).

5. Create an adjacency list and an adjacency matrix for graph B (the original).