Quiz 4 Topics

Allowing 3 sides of notes

Graphs
   Basics not the emphasis, except as used later:
   adjacency and edge list representations
   DFS, BFS and variations
   active intervals in DFS leading to edge classifications:
      tree, back, forward, cross

DAG's, topological order, critical path
strongly connected components
   DAG meta-graph of strongly connected components

Minimum Spanning Trees
   Prim's Algorithms
      Heap with decrease-key
   Kruskal's Algorithm
      In-Trees
   Cut Theorem in Notes and DasGupta

Shortest Path
   Dijkstra
   Bellman-Ford (DasGupta)

Transitive Closure
   Warshall's Algorithm
   Array representation

All-pairs Shortest Path (Floyd)

Other Greedy Problems
   idea of a greedy algorithm
   Huffman encoding

NOT earlier topics: Hash table, B-trees, Master Theorem, sorts, searching, recurrence