

Discrete math test 1 review list:

- Using the PERT Algorithm to show a total time and critical path for a task description (practice: do # 14 or 15 on pg 9)
- Finding a number of ways something can be accomplished (order matters) using multiplication or permutations (see 1.2 # 21, 23)
- Simplifying a formula with permutations using the factorial formula (see 1.2 # 30-32)
- Finding the number of subsets of a set (see 1.3)
- Follow a written algorithm (see 1.4 and also handout Feb 6)
- Estimate the number of steps (calculations) to carry out an algorithm on a set of a given size n . Show how you got your estimation. (1.4)
- Show steps to find a Venn diagram to represent a set. (2.1)
- Use Venn diagrams to verify that two different expressions give the same set. (2.1)
- Use set algebra (Thms 2.0, 2.1, 2.2) to prove that two different expressions give the same set (2.1)