Last name First name
LARSON—OPER 731—CLASSROOM WORKSHEET 24 Matroids & the Greedy Algorithm
Matroids
1. What is a matroid?
Checking the Matroid Axioms
2. What is a linear matroid?
3. What is a graphic matroid?

4. What is a uniform matroid?

Rank, Bases & the Greedy Algorithm

5.	What is the rank of a matroid?
6.	What is a base of a matroid?
7.	What is the (cardinality) $greedy \ algorithm$ for a matroid M ?
8.	Why does the greedy algorithm always produce an optimum solution (for a matroid optimization problem)?

9. What is the weighted greedy algorithm for a matroid M?