

MA515 HOMEWORK #2
Due Wednesday, September 5

Exercises from my course notes:

1. Prove Theorem 3.21. Suggestion: Consider the rank and nullspace of the matrix A as defined in Lemma 3.14.
2. Prove Theorem 3.22. Suggestion: Use induction on m , select a point for every subcollection of $m - 1$ sets, and apply Radon's Theorem.
3. Exercise 3.38.
4. Exercise 3.39.