

MA515 HOMEWORK #1
Due Wednesday, August 29

Exercises from my course notes:

1. Exercise 3.6.
2. Exercise 3.7 (justify your answers).
3. Prove Proposition 3.8, but only for convex sets and convex combinations.
4. Prove Lemma 3.12, but only for convex combinations.
5. Prove Proposition 3.13, but only for $\text{conv } V$ and convex combinations.