MAT8010 Homework #7

Due Date: June 14, 2018

- 1. (4 points) Problem 19H, page 226 (Van Lint/Wilson).
- 2. (4 points) Let Γ be an $\operatorname{srg}(v,k,\lambda,\mu)$ and let -s be its smallest eigenvalue. If C is a coclique (independent set) of Γ , then $|C| \leq sv/(k+s)$, equality holds if and only if every vertex x of Γ not in C has exactly s neighbors in C.
 - 3. (4 points) Problem 21Q, page 279 (Van Lint/Wilson)