

Winter 2017, Math 148: Week 5 Preliminary Problems
Due: Thursday, February 9th, 2017
Applications of Finite Fields

Preliminary problems. These problems should be completed before discussion on Thursday.

(P1) Find two mutually orthogonal latin squares of order $n = 3$.

(P2) Find all 1-dimensional linear subspaces of \mathbb{F}_3^2 , the 2-dimensional vector space over \mathbb{F}_3 .