Math 465 - Fall 2019
Homework 9
Due November 25th, 2019

Prime numbers have always fascinated mathematicians, professional and amateur alike. They appear among the integers, seemingly at random, and yet not quite: there seems to be some order or pattern, just a little below the surface, just a little out of reach.

— Underwood Dudley

(1) Problem 10-1.1.

(2) Show, for $p > 5$ that $\left(\frac{-5}{p}\right) = 1$ if and only if the sum of the one's and ten's digit of p is odd.