

Math 310 Problem Solving for High School Teachers
Spring 2016
Lecturer: Dr. Paullin
Homework 5-Proof by Contradiction

This homework is due in class on **Monday, April 25th**.

Play around with this theorem and come up with a solution. Then prove your solution using a Proof by Contradiction.

Theorem. There are no positive integer solutions to the diophantine equation $x^2 - y^2 = 10$.