

MATH 290-NUMBER THEORY FOR TEACHERS
PROBLEM OF THE DAY #25
DUE WEDNESDAY, APRIL 23, 2014

1. Can you find three consecutive integers that form a Pythagorean triple? The Pythagorean triple 3, 4, 5 is an example. Can you find others?
2. How many Pythagorean triples can you find? We want them to be really different, so 3, 4, 5 and 6, 8, 10 will be counted as the same, but 5, 12, 13 is different. (In other words, find as many Pythagorean triples as you can that aren't multiples of each other.)