MATH 1210 Assignment #1

Due: October 6 2011, In Class

Reminder: all assignments *must* be accompanied by an honesty declaration available on my website.

1. Section 1.2: Q16
2. Section 1.2: Q23
3. Section 1.2: Q30
4. Section 1.2: Q43
5. Section 1.3: Q7
6. Section 1.3: Q9
7. Section 1.3: Q10
8. Section 1.3: Q23 (Hint: Use Cramer's rule to show $(u, v)|(m, n)$)
9. Show that there are infinitely many primes of type $4k + 3$, where k is an integer. (hint: Mimic the proof that there are infinitely many primes)