MATH 3P12, Fall, 2017

ASSIGNMENT #1

Due: 5 pm. Friday, Sep. 29, 2017

1. Use the Euclidean algorithm to find $gcd(34, 126)$ and write it as a linear combination of 34 and 126.

2. For driver's license numbers issued in New York prior to September of 1992, the three digits preceding the last two of the number of a male with birth month m and birth date b are represented by $63m + 2b$. For females the digits are $63m + 2b + 1$. Determine the dates of birth and sex(es) corresponding to the numbers 248 and 601.

The following questions are referred to the text book (the 9th edition).

Pages 23–27. #3, 8, 9 (Hint: Use #7), 20, 54, 55.
Pages 54–58. # 5 a), b), c), 6 b), c), d), 19, 22, 25, 34, 49.

Additional Practice Exercises. Not To Be Submitted.

Pages 23–27. # 1, 2, 4, 6, 7, 10, 13, 14, 19, 30, 40. Pages 37, # 1, 2, 3, 5.
Pages 54–58 # 1, 3, 7, 12, 16, 18, 20, 26, 27, 29, 33, 35, 36.