Homework 37, due December 4

- (1) (Problem 2, page 370)
 - List the points on the elliptic curve $E: y^2 \equiv x^3 2 \pmod{7}$.
 - Find the sum (3, 2) + (5, 5) on *E*.
 - Find the sum (3, 2) + (3, 2) on *E*.
- (2) Write down the addition table for the elliptic curve in the previous problem.
- (3) (Problem 5, page 375) Compute the difference (5,9) (1,1) on the elliptic curve $y^2 \equiv x^3 11x + 11 \pmod{593899}$.