

1. – §11.1 – 5 (ungraded).
2. – §11.1 – 13 (ungraded).
3. – §11.1 – 25ab (ungraded).
4. – §11.1 – 14 (Hint: read the hint!)
5. – §11.1 – 20.
6. – §11.2 – 2.
7. – §11.2 – 4.
8. – (E) Compute, by any correct method,

$$\left(\frac{-28}{59}\right).$$

9. – (E) How many integers n , $1 \leq n \leq 889$ satisfy the congruence $n^2 \equiv 79 \pmod{89}$? (Please note, that's “889”, not “89”!)
10. – (E) You are told that 3 is a primitive root modulo 353 (see table on p.547.) Given this information, find **all** solutions to the equation $x^{11} \equiv 2^{11} \pmod{353}$. An answer such as “ $x \equiv 2 \cdot 7^{193} \pmod{353}$ ” is acceptable in format, although incorrect.