

book problems

§10.1 6, 11, 12

§10.2 3, 6

§8.1 1, 4, 5

Non-book/Computer problem:Let $p = 9999991$. Find all solutions for

a). $x^3 \equiv 1 \pmod{p}$

b). $x^4 \equiv 1 \pmod{p}$

c). $x^5 \equiv 1 \pmod{p}$