Answers for zkML

For the set S = {0,1,2,3,4,5,6}
What is
a) 3 x 5
= *1 mod 7*
b) The multiplicative inverse of 3 ?

*Using $a^{-1} \equiv a^{p-2}(modp)$
= 3 ^ (7-2) = 3 ^ 5 = 243
= 5 mod 7

Polynomials

The polynomial $x^3 - 2x^2 - 2x - 3$ is of degree 3 and has a root at x = 3

$Q(x) = x^2 + x + 1$