[5] 3.1

(1)

(2) $y = g^{2}$ $mok p = 2^{2}$ mod 23 = 4(3) $u = g^{2}$ $mod p = 2^{3}$ mod 23 = 8 $c = y^{2}$ $mod p = 4^{3}$. (mod 23 = 3) $u^{2} = 8^{2}$ mod p = 18 $(u^{2})^{-1} = 9$ $m = C/u^{2}$ $mod p = 3 \cdot 9$ mod 23 = 4(4)