课程 离散数字(第八章) 姓名· 客加肆 学号 [820221053

(2) a) 双射的, f⁻¹ R⁻¹ → R , f⁻¹(x) = log₂ X

(4) a) 单射的 b) $f(\{3,3\}) = \{5,7\}$, $f^{-1}(\{1,3\}) = \{0,1\}$

b) f({-1,2}) = {1,2}, f-1({1}) = {-1,1} (6) a) 单射的

(7) a) 单射的

b) f((0,1)) = (1,+po), f-1({2,3}) = {\frac{1}{2},\frac{1}{3}}

(2) = f(x) = 2x

(3) = f(x) = -x-1 $(4) = f(x) = a^{x}$

b) $f(\{0,\frac{1}{2}\}) = \{1,\frac{2}{3}\}, f^{-1}(\{\frac{1}{2}\}) = \{1\}$

 $24 (1) = f = \{(1,a), (2,b), (3,c)\}$

A = { 2n | n e N } , B = { 2 | keN } , C = Z+

