Some sample problems from 12.1

Problem 3: there are four different functions from $\{a,b\}$ to $\{0,1\}$. List them.

Relation on East × {0,1} is any subset of this Cautesian product. $R \subseteq \{(a_30), (a_31), (b_36), (b_31)\}$ 1 p ({ (a,0), (a,1), (b,0), (b,1)}) = 16 There are 16 relations. two choices for two choices for \$(b) 4 chorces. one exemple

Problem 9. Consider the set $\{(x^2, x) : x \in \mathbb{R}\}$. Is this a function from $\mathbb{R} \to \mathbb{R}$?

