Group Discussion Week 4

Please Discuss

1) **What do you consider the most important topic(s) of the class last week?**
2) **Are there parts of the class or homework you found confusing or difficult? (If so, which?)**
3) Consider the relation $R \subset \mathbb{Z} \times \mathbb{Z}$ given as

$$R = \{(a, b) \in \mathbb{Z} \times \mathbb{Z} \mid a^2 = b\}$$

a) Is it a function?
b) Let C be the *converse* (or inverse) relation to R. Is it a function? Why or why not?
c) What is the composition $R \circ C$? What is the composition $C \circ R$? Is either of them a function?