

In-class, Week 10

Section 9.5, Problem 28: What are the equivalence classes of the following equivalence relations on the set of all functions from \mathbb{Z} to \mathbb{Z} ?

a) $\{(f, g) \mid f(1) = g(1)\}$

b) $\{(f, g) \mid \exists C \in \mathbb{Z} \forall x \in \mathbb{Z} (f(x) - g(x) = C)\}$