

Reading Quiz §9

1. [1] A relation R on S is an equivalence relation if it satisfies three properties. Name or describe one of the properties R must satisfy.

2. (a) [1] Provide a nontrivial example of an equivalence relation on the integers, \mathbb{Z} .

- (b) [1] Identify a representative to one of the equivalence classes that result from the above equivalence relation you defined.

3. [2] Let H be a subgroup of G . Explain in your own words/with an example what a right coset of H in G is.