

## Math 8 - Quiz 8

Name:

Section:

**Problem 1.** Let  $S$  be a set. Give a definition for a *partition* of  $S$ .

**Problem 2.** Let  $S$  be a set. Explain in one or more **complete sentences** the correspondence between equivalence relations on  $S$  and partitions of  $S$ .

**Problem 3.** Let  $A$  and  $B$  be sets. Define what it means for  $f$  to be a *function* from  $A$  to  $B$ .