

Fall 2022, Math 522: Preliminary Problem Set 0
Due: Wednesday, August 24th, 2022
Proof Writing Review

Preliminary problems. These problems should be completed before discussion on Wednesday.

(P1) Suppose A is a set. Write the full mathematical definition of each of the following terms (you may consult your notes from your Discrete Mathematics course).

(a) relation on A

(b) reflexive relation on A

(c) symmetric relation on A

(d) transitive relation on A