

Fall 2023, Math 320: Preliminary Problem Set 0
Due: Thursday, August 24th, 2023
Proof Writing Review

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

(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