

MTH 320: Homework 2

The following are due on Wednesday, January 23:

§1.3 #3, 5, 7, 9.

§1.4 #2, 5, 7, 8, 9, 12(b) and (c). Problem 9 has a typo. Equivalence relations also require $A \sim A$, which is not implied by the previous two properties. Prove this property as well for the relation \sim . Think about why this property is not implied by the other two, even though it seems like it at first.

§1.5 #4, 6.