

Fall 2018 COT 3100 Homework #10 Grading Criteria

Three questions to grade carefully:

Q2: 4 pts - 2 pts for set Z , 2 pts for transitive proof for Z^+ . If they don't share a specific counter-example for proving R isn't symmetric or transitive, tell them to do so. If they omit why they can cross multiply, tell them they need to explain why that is valid.

Q6: 4 pts - 1 pt for starting with $f(a) = f(b)$, 1 pt to get to factorized or equivalent form, 1 pt for the conclusion, 1 pt for range. Just comment on the completeness of the reasoning as I suspect some students will skip important explanations.

Q10: 8 pts - 3 pts for correct guess, 1 pt base case, 1 pt both IH and IS, 1 pt plug in IH, 2 pts algebra

Rest: 4 pts - Just eyeball the rest and give a completion score out of 4 for questions 1,3,4,5,7,8,9, 11. Only give 4/4 if #11 is reasonable and there is work for the rest.