

Fall 2018 COT 3100 Homework #6 Grading Criteria - Total 20 points

Will grade each question out of five points since the homework is so short.

Q1 (5 pts) - 1 pt Base case, 1 pt for stating both IH and IS, 3 pts for proving the IS split up as follows: 1 pt split sum and plug in IH, 2 pts algebra

Items to comment upon: If they don't explicitly state either the IH or IS, deduct a point and talk about how to properly state these. If they use the equal sign incorrectly, make a big deal about that. **In particular, they should start with the LHS and manipulate it until it looks like the RHS. They shouldn't start with the IS and manipulate both sides.**

Q2 (5 pts) - 1 pt Base case, 1 pt for stating both IH and IS, 3 pts for proving the IS split up as follows: 1 pt factor out 4^2 , combine 16, 1 pt for adding/subtracting 225 or equivalent, 1 pt for finishing it up.

Items to comment on: Same as Q1

Q3 (5 pts) - 1 pt Base case, 1 pt for stating both IH and IS, 3 pts for proving the IS split up as follows: 1 pt split product, 1 pt sub IH, 1 pt algebra

Q4 (5 pts) - Grade this relatively, Gauss did a ton, so there no such thing as a complete description here, but give 5 pts to anything that seemed like the student spent some time to put things into their own words and tried to look at least 3 things Gauss did.