

COT 3100 Fall 2022 - Homework #6 Grading Criteria

- 1) 6 pts - base case - 1 pt, inductive hypothesis - 1 pt, inductive step - 1 pt, split sum - 1 pt, use IH - 1 pt, complete proof - 1 pt
- 2) 12 pts - base case - 2 pts, inductive hypothesis - 1 pt, inductive step - 1 pt, split power - 1 pts, plug in IH - 1 pt, 4 pts multiply (1 pt per entry), 2 pts complete proof via recurrence
- 3) 12 pts - base case - 2 pts, inductive hypothesis - 1 pt, inductive step - 1 pt, 2 pts split mult factors, 3 pts algebra to isolate IH, 1 pt IH, 2 pts complete proof
- 4) 15 pts - base case - 1 pt, inductive hypothesis - 1 pt, inductive step - 3 pts,
split sum - 2 pts,
IH - 1 pt,
split sum - 3 pts,
split term - 1 pt,
complete algebra - 3 pts
- 6) 5 pts - Grade like the last bio...use your judgement