

COT 3100 Fall 2020 - Homework #5 Grading Criteria

- 1) 5 pts - 1 pt split, 2 pts sum of I, 1 pt sum constant, 1 pt answer
- 2) 10 pts - 3 pts set up subtraction, 3 pts eval geo series, 4 pts solve to completion
- 3) 3 pts - 1 pt for each
- 4) 8 pts - 2 pts for each entry
- 5) 9 pts - 4 pts to isolate $8^n - 1$, 2 pts to plug in $7c$ for it, 3 pts to finish it up with 7 factored out of the whole thing.
- 6) 10 pts - base case - 1 pt (can be 0,1 or 2), inductive hypothesis - 1 pt, inductive step - 2 pts, split sum - 2 pts, use IH - 2 pts, complete problem - 2 pts
- 7) 5 pts - Grade like the last bio, as long as it's reasonable and has the details I asked for, give full credit.

Writing the whole thing -10 penalty subtracted from regular final score.

Note: No penalty if typed and one or two drawings or written sections are attached inside pdf or doc as needed.