

Fall 2018 COT 3100 Homework #5 Grading Criteria - Total 20 points

Two questions to grade carefully:

Question #1 (5 pts)

Question #4 (5 pts)

Question #7 (5 pts)

Q1 (5 pts) - 2 pts find d , 1 pt find a_1 , 1 pt find a_n , 1 pt correct answer

Items to comment upon: Point out any algebra errors or incorrect use of formulas.

Q4 (5 pts) - Several possible techniques to solve this. Here are GC for two of them:

Split Sums - 1 pt split sums, 1 pt to handle geometric sum, 3 pts to handle $2i \cdot 5^i$

Subtraction Trick - 2 pts set up subtraction, 2 pts solve for geo sum on RHS, 1 pt solve for original sum.

Items to comment on: Incorrect use of sum formulas, off by one errors in lining up subtraction of sums, any other algebraic errors, forgetting to go back and solve for original sum, etc.

Q7 (5 pts) - 2 pts correct initial multiply, 1 pt to simplify row 1, 2 pts to simplify row 2.

Questions 2, 3, 5, 6 - very quickly eyeball and award 0, 1, 2, 3, 4 or 5 points out of 5. Only give full credit if all 4 questions are answered and #2 and #3 are correct.