

# Lecture 8

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TOI

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## 1 Todos

- HW5 (2.4.2, 2.4.3, 2.5.2, 2.5.3) due tuesday 10am
- get these notes into Charlie Cruz's notation (or someone not me lol)
- tex lect 7 from kevin and the earlier lect from kat
- today's mantra: write math first then tex in dead moments

## 2 3.1.3 Example

Paul takes out a 10 year loan to be repaid by ten annual checks at the end of each year. The first loan repayment is  $X$  and each subsequent repayment is 10.16% greater than the previous. The annual rate on the loan is 8%. If the amount of interest in the first loan repayment is 892.20, find  $X$ .

*Solution:*