

CS 331 Programming Languages, Spring 2025
In-Class Worksheet 1: Grammars

For solutions, see the January 13 lecture slides, slides 29–33.

1. Based on Grammar A, write a derivation for $xxxa$.
2. Is there a derivation based on Grammar A for the string aaa ? *Circle one.*
YES NO
3. What language does Grammar A generate?
4. What language does Grammar B generate?
5. What language does Grammar C generate?