Name _

Teaching Assistant

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Instructions

- Do not start this quiz until you are told to do so.
- You have 15 minutes for this quiz.
- This is a closed book quiz. No notes or other aids are allowed.
- For partial credit, show all your work and clearly indicate your answers.
- 1. [6 pts] Given the following grammar, complete the parse functions. lookahead and match_tok are given.

let rec parse_S() =

and parse_A () =

2. [4 pts] Translate the following rules into English and describe the operation myst represents.

3. [10 pts] Using the rules given below, show: A; let x = 4 in let y = x in $x + y \Rightarrow 8$

$$A(x) = v$$

$$A(x) = v$$

$$A; x \Rightarrow v$$