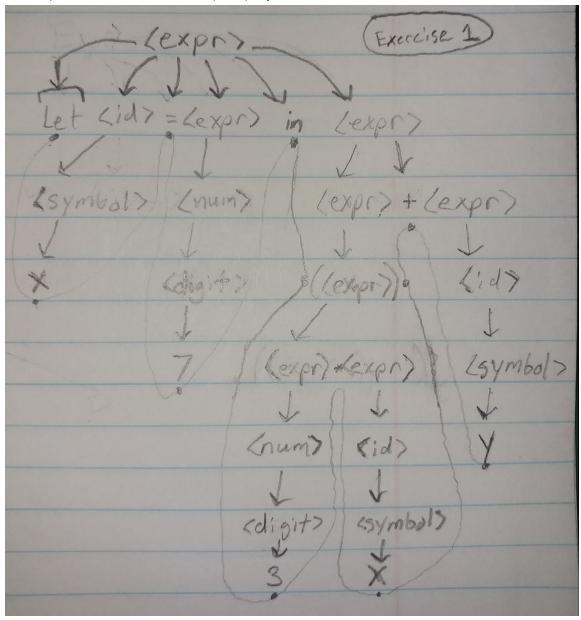
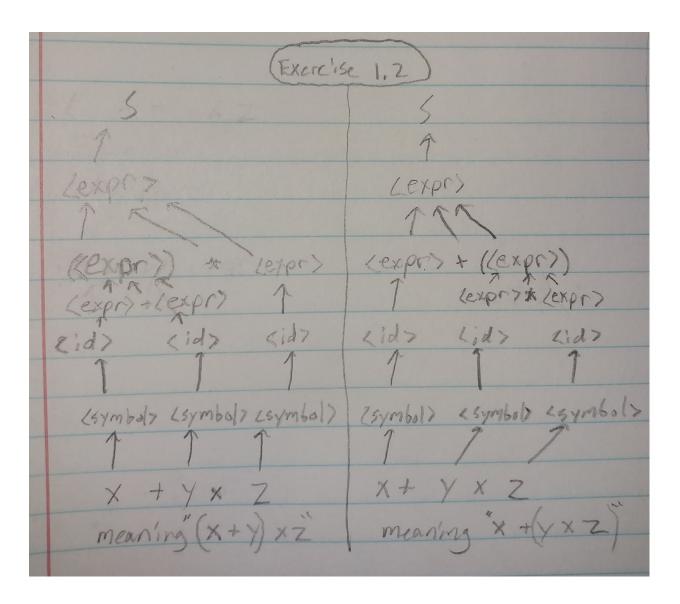
Exercise 1

1. Give a parse tree for let x = 7 in (3 * x) + y.



2. Show that this grammar is ambiguous by finding a string that admits two parse trees.



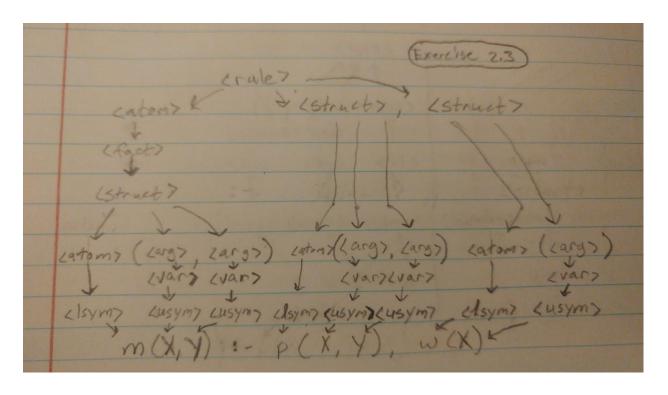
Exercise 2

1. Show that w(pam) can be derived from <clause>.

2. Give a parse tree for w(pam).

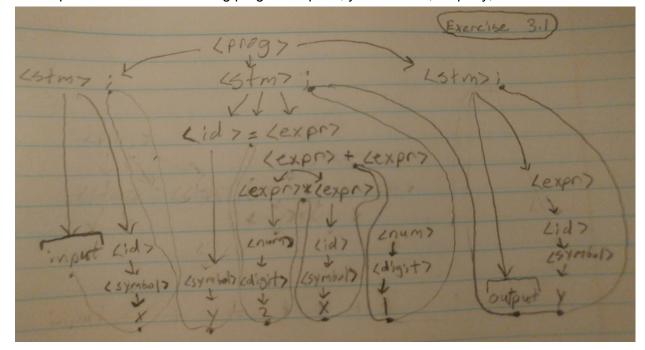
(Exercise 212) (clauses LStructs catoms o(lang (lsym) m

3. Give a parse tree for m(X,Y) :-- p(X,Y), w(X).



Exercise 3

1. Give a parse tree for the following program: input x; y = 2 + x + 1; output y;



2. Give two parse trees for the following statement: output (42 * x + y)

