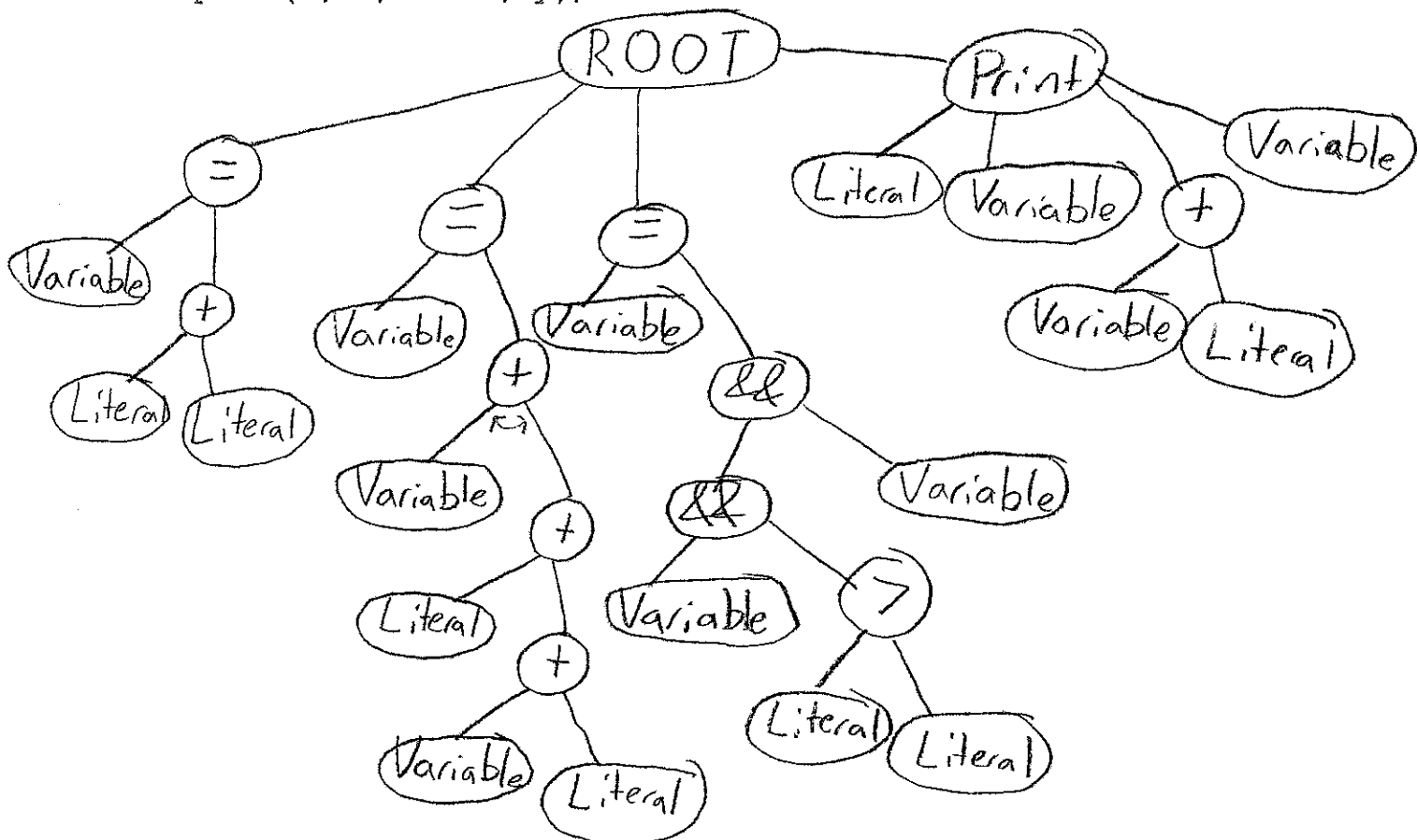


CSE 450: Translation of Programming Languages – Quiz # 3

Name: Answer Key

1. (4pts) Draw the **Abstract Syntax Tree** that your compiler for Project 3 would produce for the code below (assuming correct precedence) using the only the nodes: "ROOT", "VARIABLE", "PRINT", "LITERAL", ">", "&&", "=", and "+". Your answer should consist solely of the node names and the lines connecting parent to child/children.

```
val x = 14 + 7;
x += 6 + (x + 4);
val y = (x && (0 > 3)) && x;
print(1, x, x + 1, y);
```



When done, turn over and (optionally) write some haiku's (5-7-5) for your grader's enjoyment.

Pay Attention To
Operator Precedence
The C++ Call