

# Mini Quiz 4

Name: \_\_\_\_\_

Kerberos: \_\_\_\_\_

Q: Consider the language below (with start symbol  $E$ ). Write a grammar that accepts the same languages, but is unambiguous, is left-associative for  $=$  and  $+$ , and right-associative for  $?:$ , and has precedence:

$?:$  lower than  $=$  lower than  $+$

$E ::= E ? E : E \mid E \text{ OP } E \mid ( E ) \mid I$

$\text{OP} ::= = \mid +$

$I ::= 1 \mid 2 \mid 3 \mid 4$