A. USING THE GRAMMAR BELOW, **TRACE** THE LEFTMOST AND RIGHTMOST DERIVATIONS, AND **DRAW** THE PARSE TREE OF THE FF:

EXAMPLE 3.4	An Unambiguous Grammar for Expressions
	<assign> → <id> = <expr> <id> → A | B | C <expr> → <expr> + <term> | <term> <term> → <term> * <factor> | <factor> <factor> → (<expr>) | <id>

1. A = (A) *((B+C))
2. B = C * (A + B)
3. A = A *(B)+((C))

B. **MODIFY** THE GRAMMAR BELOW TO INCLUDE THE POWER OPERATOR(**), FOLLOWING THE CORRECT PRECEDENCE AND ASSOCIATIVITY

EXAMPLE 3.4	An Unambiguous Grammar for Expressions
	<assign> → <id> = <expr> <id> → A | B | C <expr> → <expr> + <term> | <term> <term> → <term> * <factor> | <factor> <factor> → (<expr>) | <id>