Quiz 5

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1. (40) Give the parse tree for the following grammar that yields $w=x+y*z^2-16$. A is the start symbol.

2. (30) Draw a line for each EBNF pattern on the left to each string on the right that could have come from that pattern. Note that I am using non-terminals, here.

String (of non-terminals)

C (A | B) [A] C C [A | B] {A | C} BBB BAB CBC CBC CCC

3. (20) Give the EBNF for all strings containing characters **a**,**b**,**c** that contain at least one **a** (and may have 0 or more of **b** or **c**).

$$(A){A|B|C}$$

EBNF

