Consider the grammar:

\[
E \rightarrow E \ AddOp \ T \mid T \\
T \rightarrow T \ MulOp \ F \mid F \\
F \rightarrow \ Lbr \ E \ Rbr \mid ID \\
AddOp ::= + \mid - \\
MulOp ::= \times \mid \div \\
Lbr ::= ( \\
Rbr ::= ) \\
ID ::= a \mid b \mid \ldots \mid z
\]

Give the parse trees for the following strings:

\[
x + y \ast z \\
(x + y) \ast z
\]

Give the corresponding abstract syntax trees for the same strings: