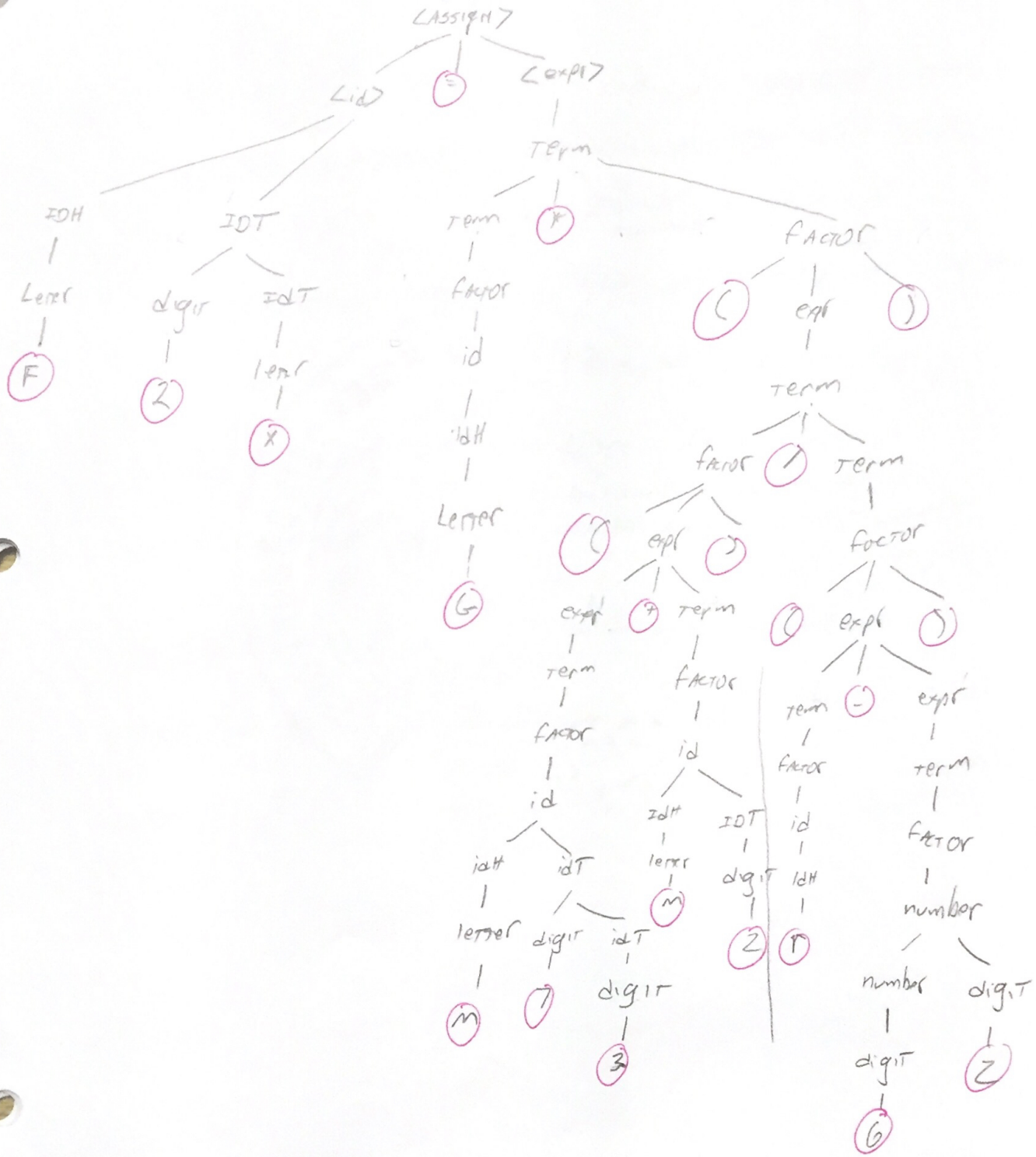
HW 6

#1

PARSETREE FOR: F2X = G*((M73 + M2) / (R - 62))



hw 06
#2

Attribute Grammar

$expr_1 \rightarrow expr_2 + term$	$expr_1.val = expr_2.val + term.val$
$expr_1 \rightarrow term - expr_2$	$expr_1.val = term.val - expr_2.val$
$expr \rightarrow term$	$expr.val = term.val$
$term_1 \rightarrow term_2 * factor$	$term_1.val = term_2.val * factor.val$
$term \rightarrow factor$	$term.val = factor.val$
$factor \rightarrow (expr)$	$factor.val = expr.val$
$factor \rightarrow number$	$factor.val = number.val$
$number_1 \rightarrow number_2\ digit$	$number_1.val = 10(number_2.val) + digit.val$
$number \rightarrow digit$	$number.val = digit.val$
$digit \rightarrow 0$	$digit.val = 0$
$digit \rightarrow 9$	$digit.val = 9$

Hw 06

#2 Annotated Parse Tree For (42+58) -(3*25)