CSC - 323 Assembly

Group Program #2 Points _____ Group _____ Grade _____

Name _____ Name _____

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The RPN Calculator

		Program header contains:
2	_____	program name
2	_____	program number
2	_____	group number
2	_____	group members names
4	_____	The program is named GxP2.ASM where x is the group number.
4	_____	The program is commented.
4	_____	The program is structured and assembles without errors.
4	_____	8 element stack.
4	_____	+ addition
4	_____	- subtraction
4	_____	* multiplication
4	_____	/ division
4	_____	X exchange the top two elements of the stack
4	_____	N negate the top element of the stack
4	_____	U Roll the stack up.
4	_____	D Roll the stack down.
4	_____	V View all 8 elements of the stack.
4	_____	C clear the stack
4	_____	ENTER Enters the number onto the top of the stack or processes the operation.
4	_____	Q will quit the program.
4	_____	The calculator will process positive integer numbers.
4	_____	The calculator will process negative integer numbers.
4	_____	Subroutines are properly used.
4	_____	The stack is managed via indexing.
4	_____	Appropriate messages are displayed
4	_____	After each operation the top element of the stack is displayed.
4	_____	When an operation is entered the top two elements of the stack are processed and the result is placed on the top of the stack. (top = second operator top)