Summer 2016
Program 4: List of Deductions

Deduction number	Description	Points deducted
1	**Late penalty (doubles each day: -1 for 1 late day, -2 for 2, -4 for 3, etc.)**	**Variable**
2	**Comments** (If program contains no comments, -10)	**-10**
2a	No header comment	-3
2b	Header comment is present, but name is missing	-1
2c	Each variable declaration should be accompanied by a comment describing its purpose	-3
2d	Body of program contains no comments	-4
2e	Body of program contains some comments, but not enough	-3
3	**Indentation** (If code is not indented at all, -9)	**-9**
3a	All code inside main() should be indented at least one tab level	-3
3b	Code inside block (if statement, each case of a switch statement) should be indented one tab more than start of block	-3
3c	Code is not indented consistently	-3
4	**Variables**	
4a	Variable names are not descriptive enough	-3
5	**File name is incorrect**	**-10**
6	**Program does not compile**	**-60**
7	**Input** (if program does not follow input spec, -10)	**-10**
8	**Error checking** (if program does little or no error checking, -15)	**-15**
8a	Program does not correctly handle errors due to improperly formatted input (or does not test for such errors)	-5
8b	Program does not properly handle error when A is not positive	-5
8c	Program does not properly handle error when n is less than 2	-5
9	**Output** (if program produces little or no correct output, -30)	**-35**
9a	Root is incorrect if A < 1	-5
9b	Program does not calculate correct root	-15
9c	Program only calculates a single root and does not ask user about calculating multiple roots	-20
9d	Program gets stuck at prompt asking about another root	-10
9e	Program should not print result if error occurs	-3
9f	Output should contain original values of A and n, not just result	-3
9g	Program should only calculate another root if 'Y' or 'y' is entered when user is asked	-3
9h	Program should only exit if user enters 'N' or 'n' when asked	-5
9i	Program does not produce proper output after error occurs	-5
10	**Miscellaneous**	
10a	Failure to comment out extra code intended to pause program at end (e.g., system("PAUSE"), infinite loop, etc.)	-5
10b	Program does not contain code to calculate root	-50