PROGRAM 3 DUE: Fri, 3/10/17

Select and submit one of the programs below.

Roman Numeral Converter

Write a program that asks the user to enter a number within the range of 1-10. Use a switch statement to display the Roman numeral version of that number. Display an error message if the number entered is outside the range of 1-10.

Magic Dates

Write a program that asks the user to enter a month, day, and two-digit year all in numeric format. The program should check to see if the month times the day is equal to the year. If so, the program should display a message stating that the date is magic. Otherwise, it should display a message stating that the date is not magic.

Ex.
$$6/10/60$$
 is magic because $6 * 10 = 60$

2/21/17 is not magic because $2 * 21 \neq 17$

Display an error message and abort the program if the month is not in the range 1-12 or the day is not in the range 1-31.

Book Club Points

An online book club awards points to its customers based on the number of books purchased each month. Points are awarded as follows:

Books Purchased	Points Earned
0	0
1	5
2	15
3	30
4 (or more)	60

Write a program that asks the user to enter the number of books purchased this month and then displays the number of points awarded.

Math Tutor

Write a program that can be used as a math tutor for a young student. The program should display two random numbers between 10 and 50 that are to be added, such as:

The program should wait for the student to enter an answer. If the answer is correct, a message of congratulations should be printed. If the answer is incorrect, a message should be printed showing the correct answer.