**Algorithm Workbench**

1. Write a while loop that lets the user enter a number. The number should be multiplied

by 10, and the result assigned to a variable named product. The loop should iterate as

long as the product is less than 100.

2. Write a while loop that asks the user to enter two numbers. The numbers should be

added and the sum displayed. The loop should ask the user if he or she wishes to perform

the operation again. If so, the loop should repeat, otherwise it should terminate.

3. Write a for loop that uses the range function to display all odd numbers between

1 and 100.

4. Write code that prompts the user to enter a positive nonzero number and validates

the input.

5. Write code that prompts the user to enter a number in the range of 1 through 100 and

validates the input.