Functions Coding

1. Write a function prime_factors(n) that returns all prime factors of a given integer n.

   a. Also implement using Lambda functions - 2 solutions

2. Write a function create_multiplier(n) that returns a lambda function. The returned function should take one argument and return the product of that argument and n. Demonstrate the closure by creating multiple multipliers (e.g., times 2, times 3).

3. Write a function that takes a list of numbers and uses a lambda function within a list comprehension to filter out all numbers divisible by 3. Return the list of filtered numbers in reverse order.

4. Write a function evaluate_expression(expression) that can evaluate mathematical expressions in string format. The function should support addition, subtraction, multiplication, and division, as well as nested parentheses. For example, evaluate_expression("3 + (2 * (7 - 5))") should return 7.