MAPLE ASSIGNMENT 3 HINTS

1. Problem 1 (Stewart p.192)

For this problem, you only need maple for the graph.

Here are some hints for solving the problem:

- Assign the coordinates (0,0) to P, as suggested. This greatly simplifies the problem of determining a, b, and c.
- Use the fact that (0,0) lies on the graph of f(x).
- Also use the fact that the slope of the tangent at x = 0 must match the slope of L_1 .
- The y coordinate of Q is f(100).

For the graph, determine a, b, and c, then find the equations of the lines L_1 and L_2 . Use the maple **piecewise** function to define a single function (or, alternatively, paste together three graphs over their appropriate intervals on the x-axis).

2. Problem 2 (Stewart p.254)

Use maple for part 2.