

Homework Assignment 5

Use **Matlab** to solve the following problems.

Plot the following two functions:

$$f(x) = x^2 - 3x + e^x + \tan x$$

and

$$g(x) = x^3 - 9 \cos x$$

for $-6 \leq x \leq 6$, with the following features:

1. Two functions plotted in one graph with distinct line styles. (As colors do not often display well in certain printers.)
2. place a title on the plot as "Function Comparison".
3. Place proper labels on x and y -axis.
4. Place text mark next to each curve or legends to distinguish the function graphs.

(80% for correctness, 10% for programming writing, 10% for presentation)