Lab Nr. 2, Probability and Statistics
Introduction to Matlab II

- graphics in Matlab, *plot*, *subplot*, *title*, *legend*, colors, linewidth, linestyle;

- display of results in tables.

Applications

1. For $x \in [0, 3]$, graph on the same set of axes the functions $x^2/10$, $x \sin x$ and $\cos x$, in different colors and linestyles. Display a title and a legend on your graph.

2. Let $[a, b]$ be an interval. Divide it into n subintervals. (a, b, n are given by the user). For each subinterval, find the midpoint and display the results in a table of the following form:

Nr.	Subint.	Midp.
1	$[a_1, b_1]$	m_1
2	...	