1. **[4 points]** It is estimated that the net cash inflow of a project at the end of year 3 has an average of 1000, and a standard deviation of 100. If the MARR is 12%, compute the average and the standard deviation of the present value of this net cash inflow.



1. **[4 points]** It is estimated that the present value of all the net cash inflow (incomes) of a project has an average of 2000, and a standard deviation of 200. The present value of all the net cash outflow (costs) of the project has an average of 1000, and a standard deviation of 100. Compute average and standard deviation of the NPV of this project.
2. **[2 points]** Suppose the NPV of a project has a mean of 500, and standard deviation of 200. What is the probability of having the NPV greater than or equal to 0.