## PHYS 142: Assignment 3 Jessica Birky (A13002163)

## Question 1

- (a) Determine  $\bar{E}(T)$  the thermal average of the energy at temperature T.
- (b) Design and run a Monte Carlo simulation to numerically determine  $\bar{E}(T)$ .
- (c) Determine  $\bar{E}_2(T)$ .