Q1. Graph the function $f(x) = |x|$ on $[-2, 2]$ and find the average value of the function on the interval.

Q2. Graph the integrand and use area to evaluate the integral $\int_{-3}^{3} \sqrt{9 - x^2}\, dx$.

Q3. Interpret $\lim\limits_{\|P\|\to 0} \sum\limits_{k=1}^{n} (c_k - 1)\Delta x_k$ as a definite integral over $[2, 3]$. Also, evaluate the definite integral.