King **F**ahd **U**niversity for **P**etroleum and **M**inerals
Department of Mathematics & Statistics
Term 162 Math 102 (06) Quiz#1 (5.1 & 5.2)
Family Name: S.r#

Q1. Evaluate the Riemann sum for $f(x) = \sin x,\ 0 \le x \le \pi$, with 3 subintervals, taking the sample points to be mid points.

Final Ans.

Q2. Evaluate $\int_0^{-3} \sqrt{9 - x^2}\, dx$

Final Ans.

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Term 162 Math 102 (13) Quiz#1 (5.1 & 5.2)
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Q1. Evaluate the Riemann sum for $f(x) = 1 - x$, $-1 \le x \le 11$, with 3 subintervals, taking the sample points to be left endpoints.

Final Ans.

Q2. Evaluate $\lim_{n\to\infty} \sum_{i=1}^{n} \left(\frac{2i^2}{n^3} - \frac{1}{n} \right)$

Final Ans.