

King Fahd University of Petroleum & Minerals  
Department of Mathematics and Statistics  
(Semester 162) Math 102 Quiz # 1

Name: \_\_\_\_\_ I.D. # \_\_\_\_\_ Sr. # \_\_\_\_\_

1. Evaluate  $\int_{-1}^3 1-x \, dx$  using the limit of Riemann sum, taking the sample points to be left endpoints.
2. Express  $\lim_{n \rightarrow \infty} \sum_{i=1}^n \frac{n}{n^2 + i^2}$  as a definite integral.