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 $\lim\limits_{n \to \infty} \sum\limits_{i=1}^{n} \dfrac{n}{n^2 + i^2}$ as a definite integral.