## ASSIGNMENT 3

## Due February 11, 2003

## Homework 3

Let X be a discrete random variable distributed as shown in the following table. Find $E(X), \sigma$, and $E(1 / X)$.

| x | -2 | 0 | 2 | 4 |
| :--- | ---: | ---: | ---: | ---: |
| $\mathrm{p}(\mathrm{x})$ | 0.4 | 0.3 | 0.2 | 0.1 |

