- 1a. Problem 3.4.13
- b. Problem 3.5.3
- c. Problem 3.5.9
- 2a. Problem 3.6.6
- b. Problem 3.6.11
- 3a Let X_1 and X_2 be independent random variables with pdf's $f_1(x_1)=2x_1,\ 0< x_1<1$ and $f_2(x_2)=4x_2^3,\ 0< x_2<1$. Find $P(0.4< X_1<.8\cap 0.4< X_2<1)$ b. Problem 4.1.12 4.a The quantity $\frac{\rho\sigma_Y}{\sigma_X}$ is the minimum of what least squares problem? Show work. b. Problem 4.2.8