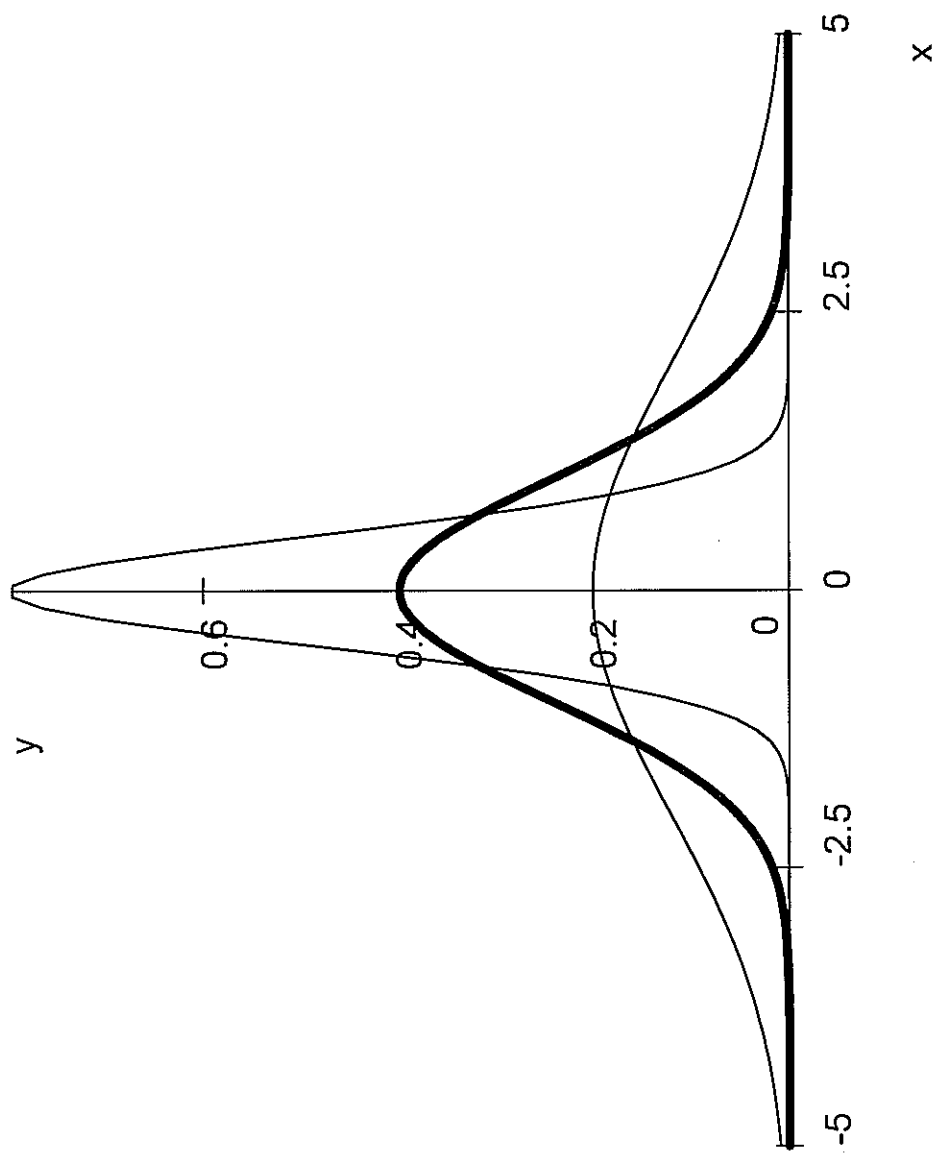
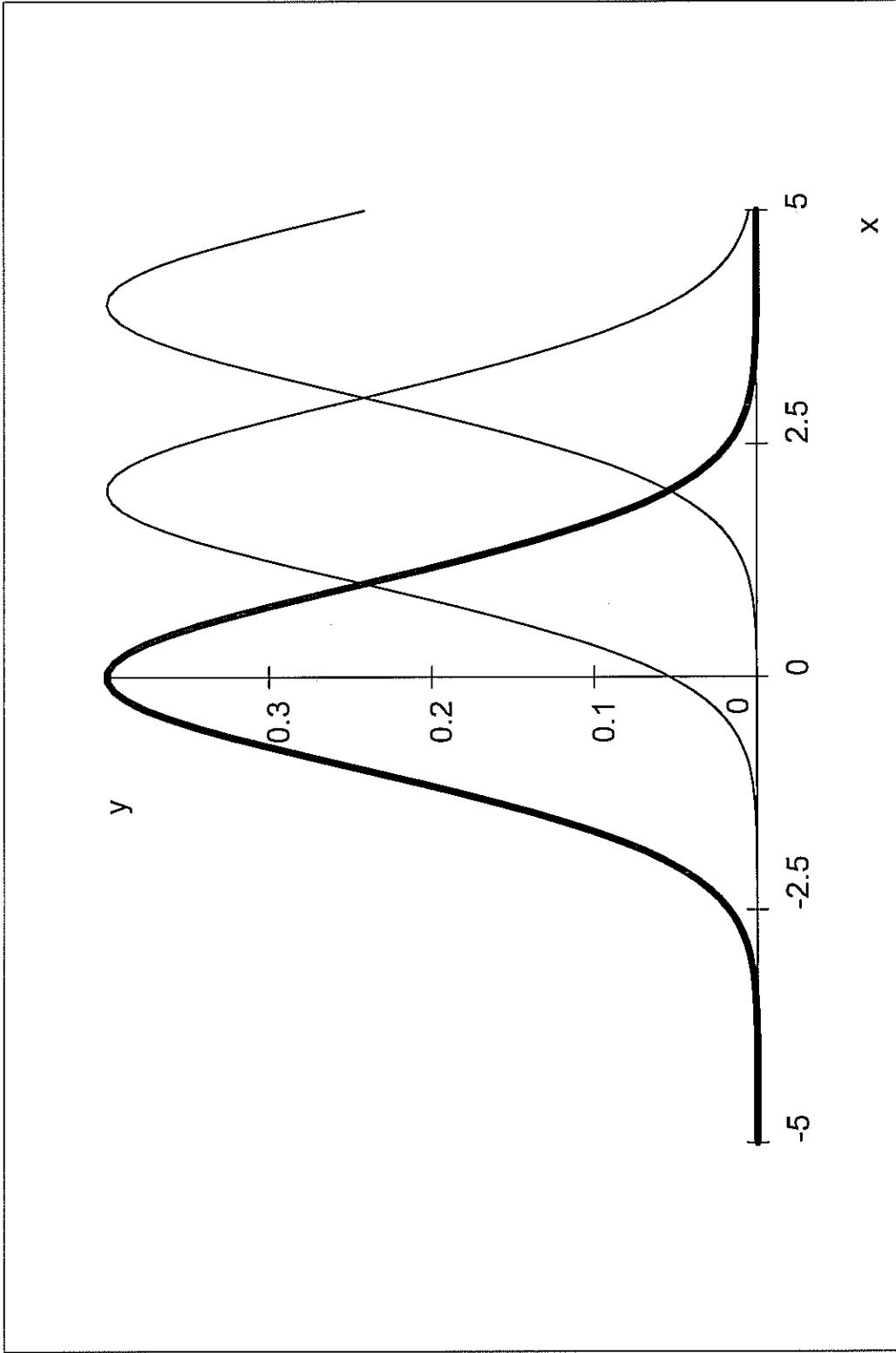


Normal, $m = 0$, $\sigma = .5, 1, 2$

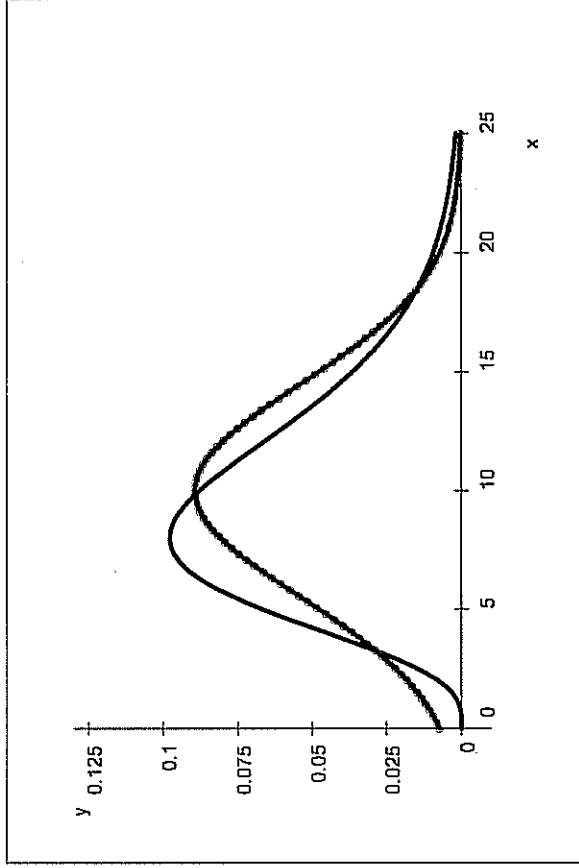


Normal, $\sigma = 1, m = 0, 2, 4$

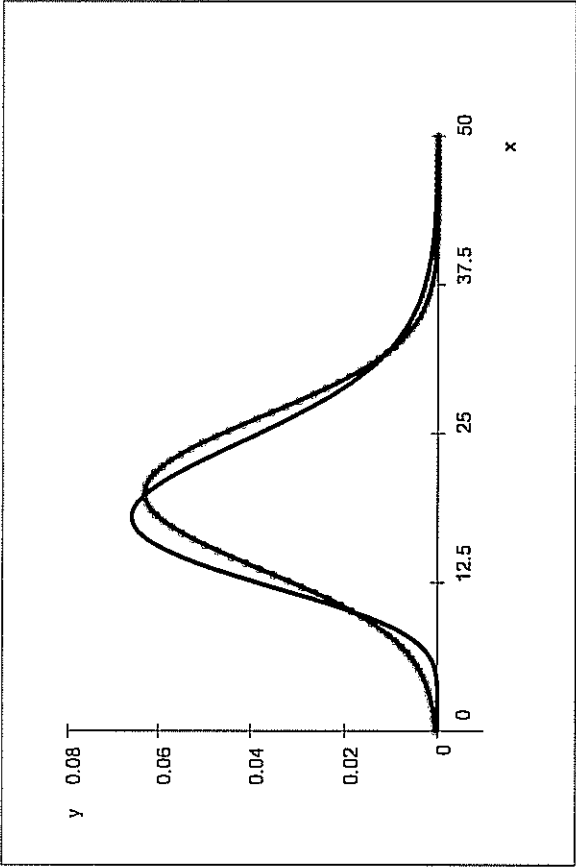


$$\chi_n^2 = X_1^2 + \dots + X_n^2$$

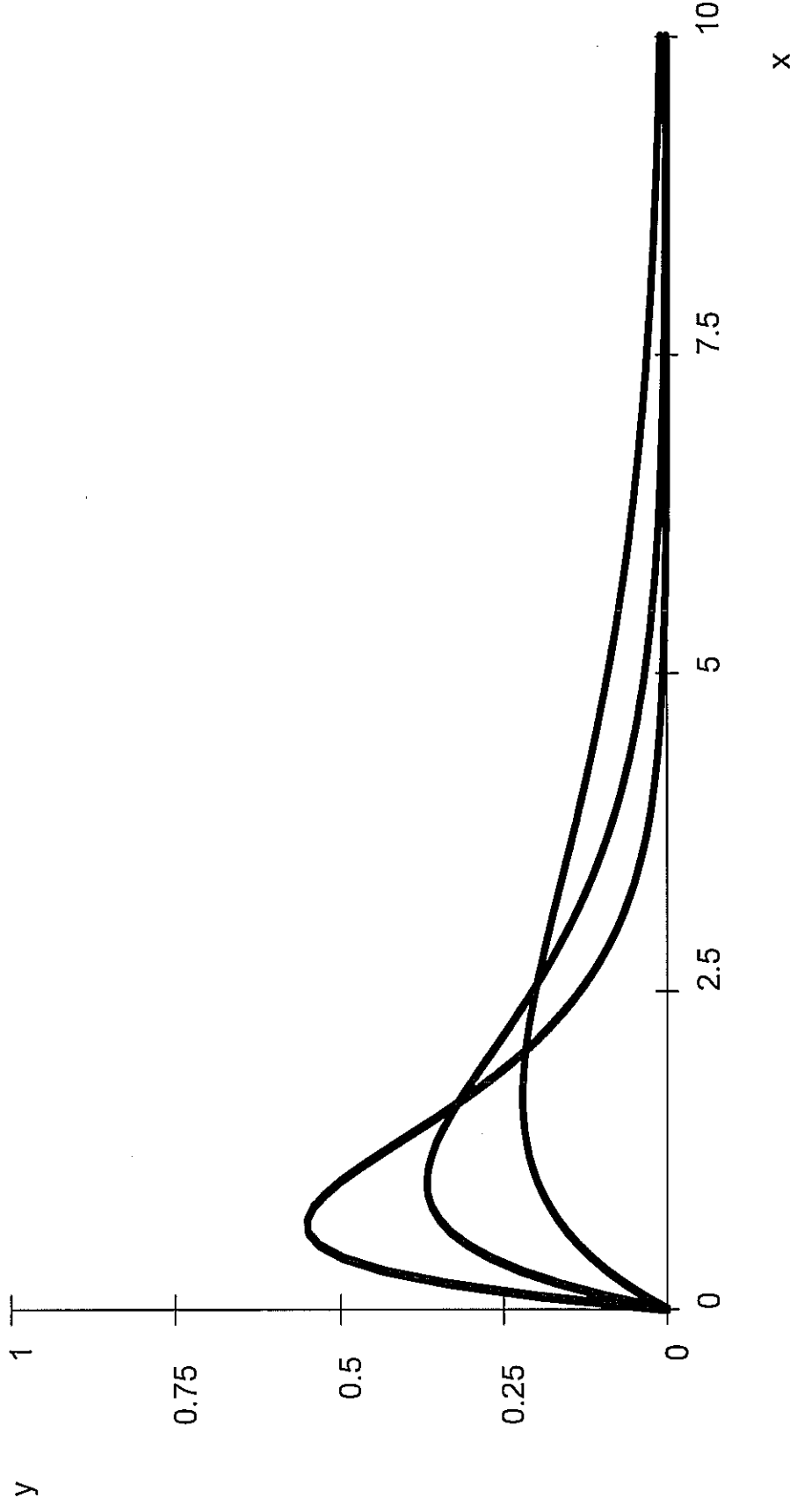
where the X_i are independent unit normals



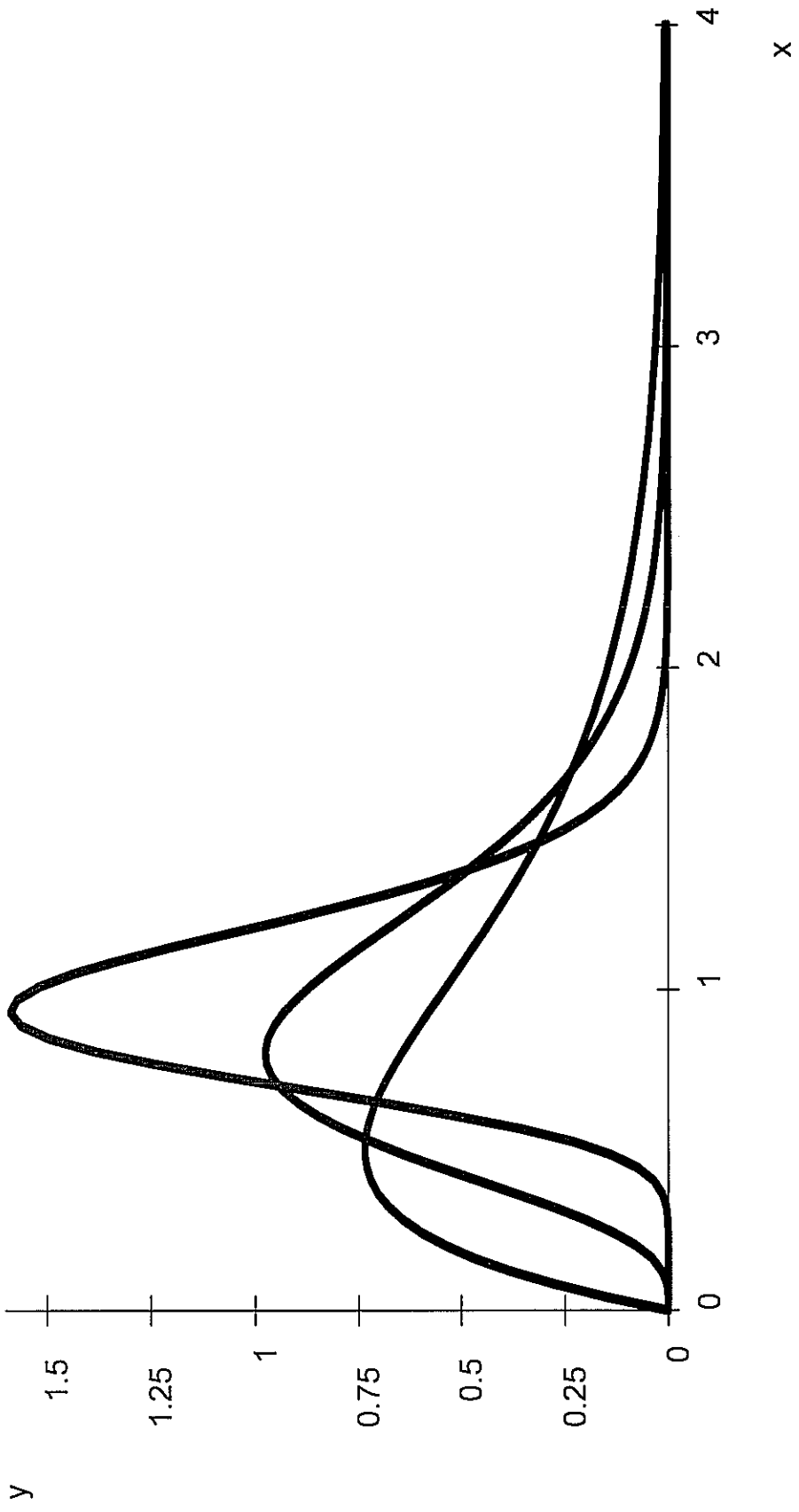
chi-squared 10



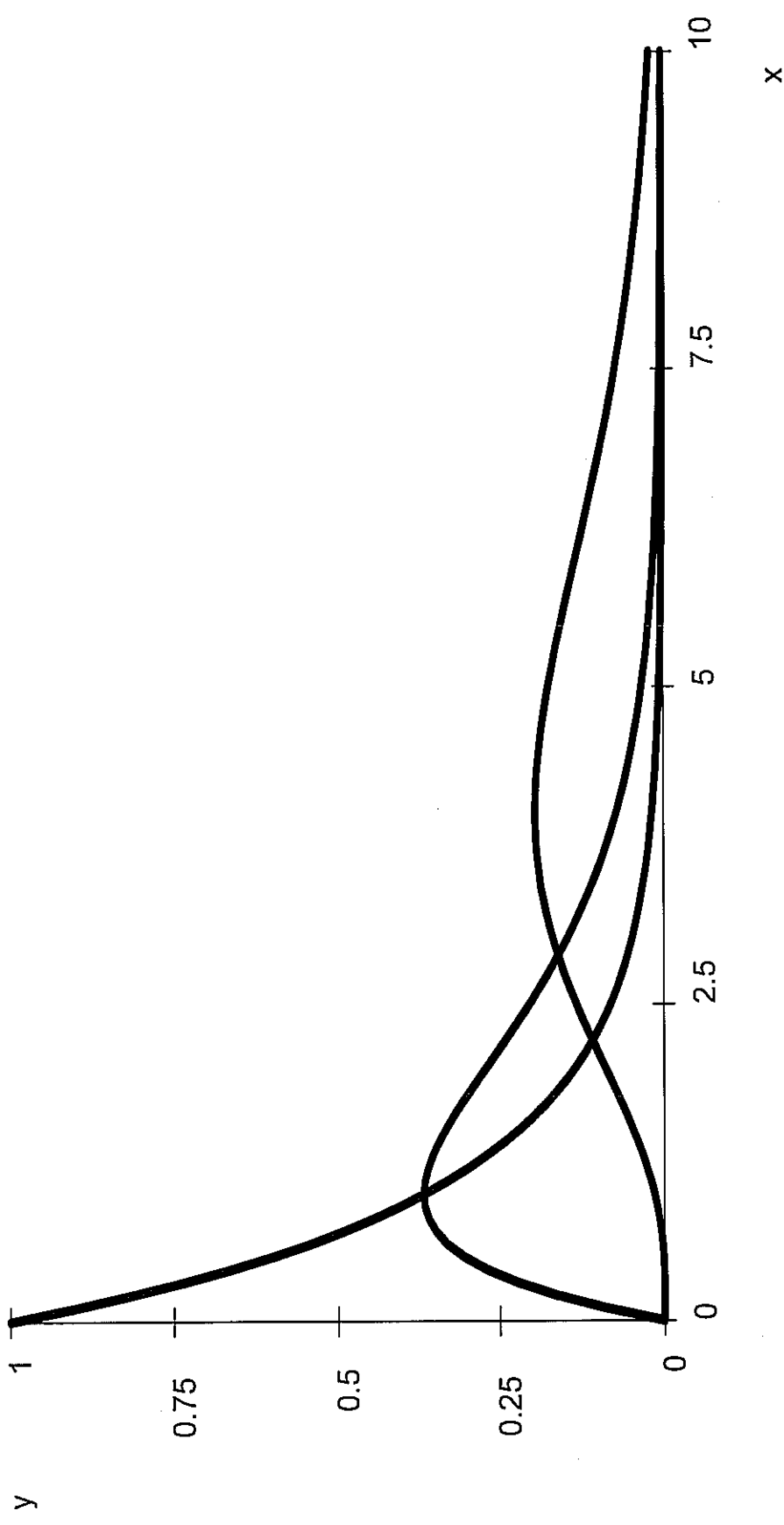
chi-squared 20



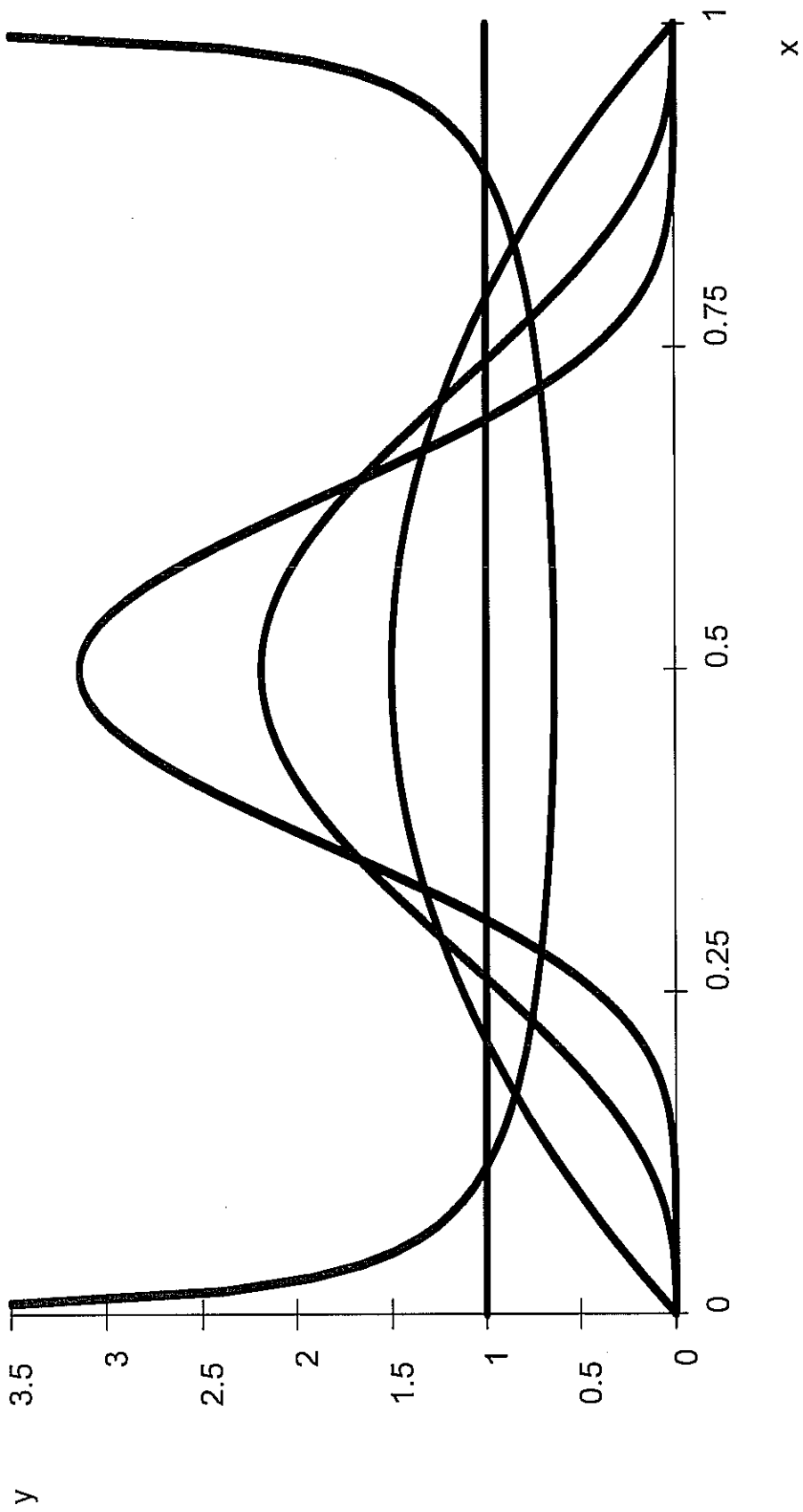
Gamma density, $\alpha = 2, \beta = .6, 1, 1.5$
Larger β moves the mean to the left



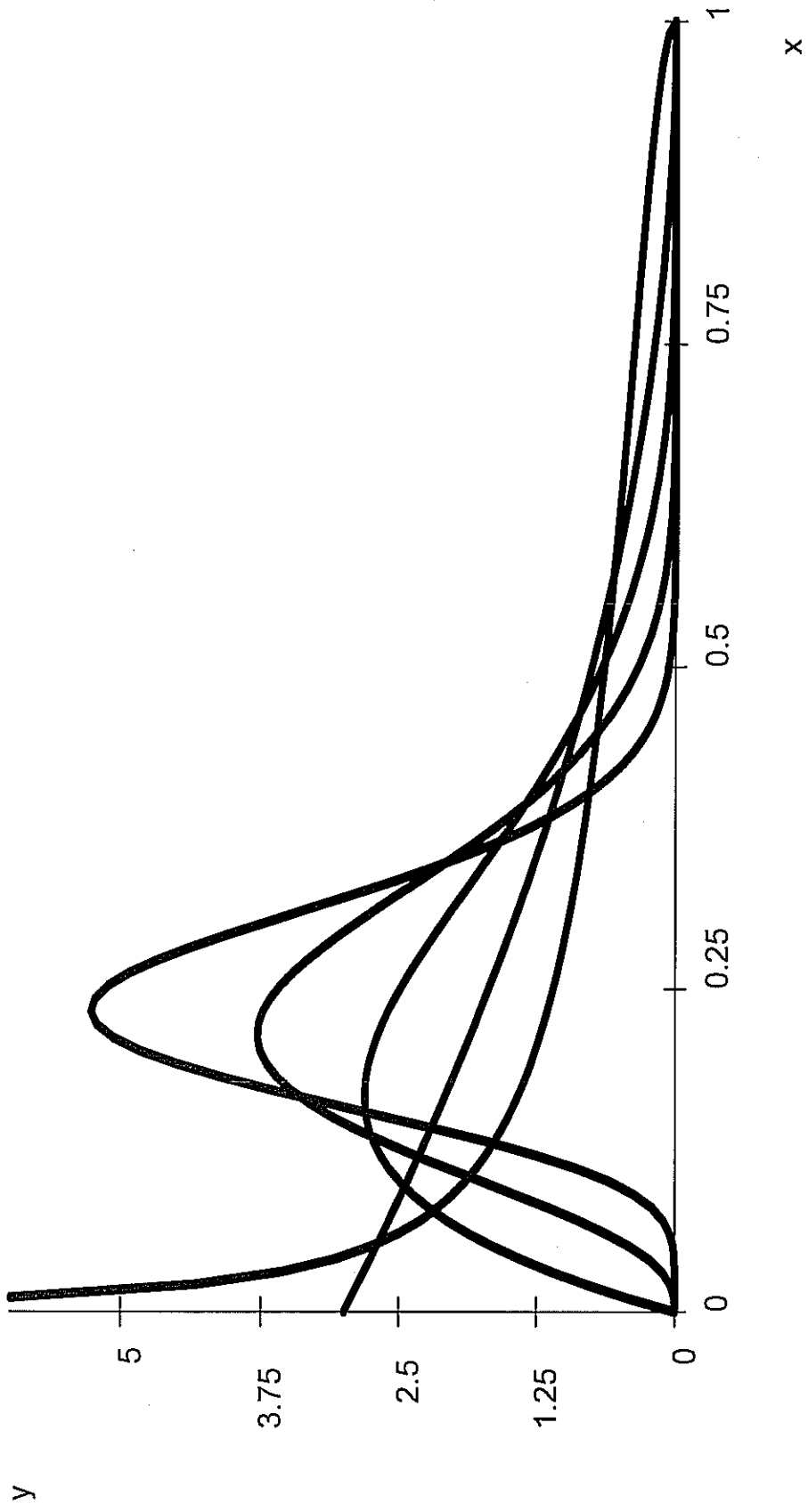
Gamma density, $\alpha = \beta = 2, 5, 10$
Larger β smaller variance



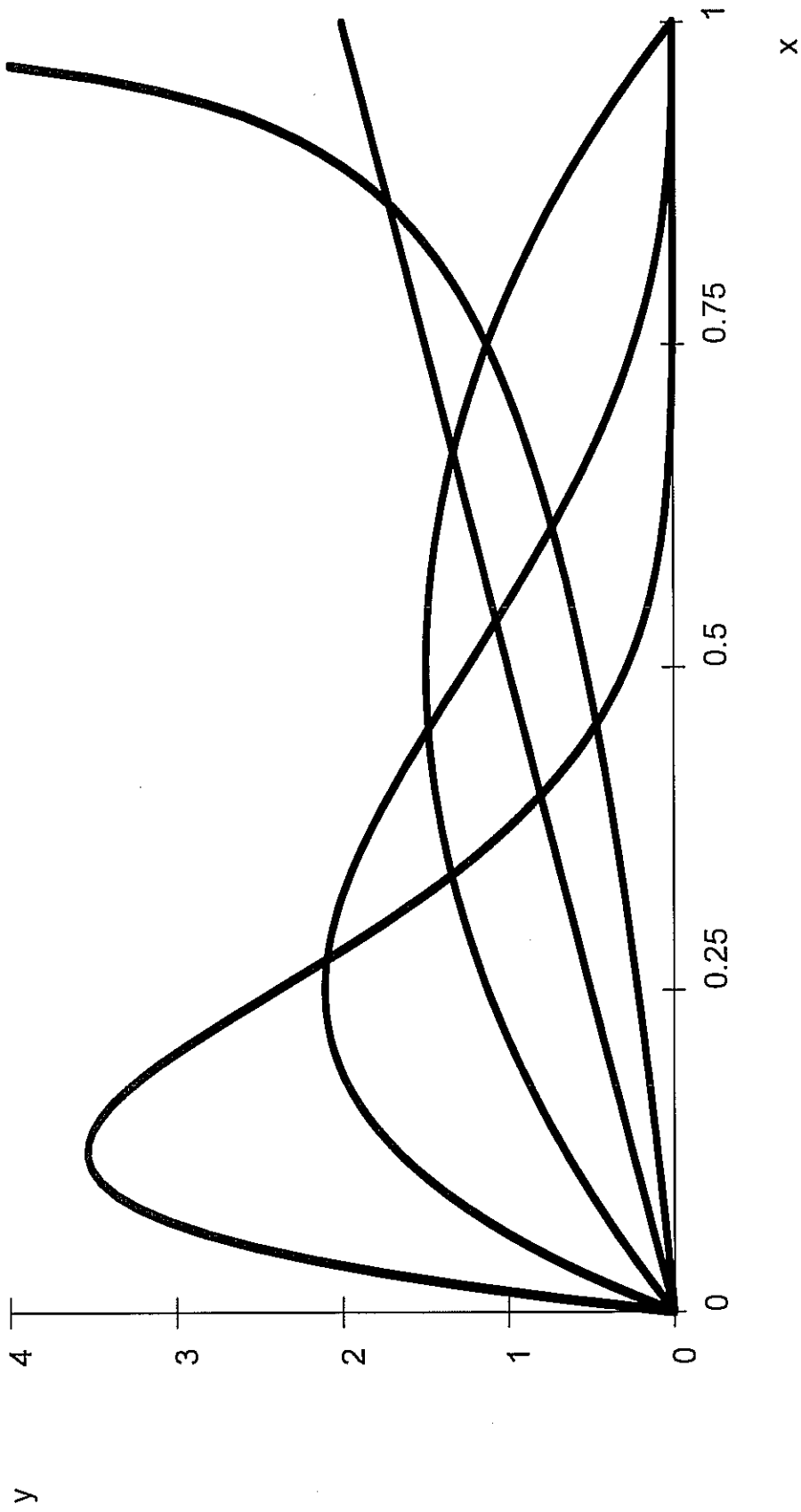
Gamma density, $\beta = 1, \alpha = 1, 2, 5$
Larger α moves the mean to the right



Beta density, $\beta = \alpha = .5, 1, 2, 4, 8$
 Larger values smaller variance



Beta density, $\beta/3 = \alpha = .5, 1, 2, 4, 8$
Larger values smaller variance



Beta density, $\alpha = 2, \beta = .5, 1, 2, 4, 8, 16$
 Larger β smaller mean