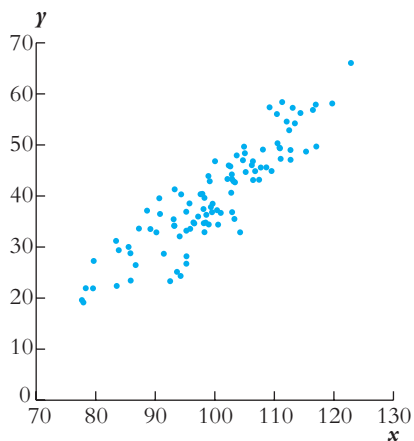
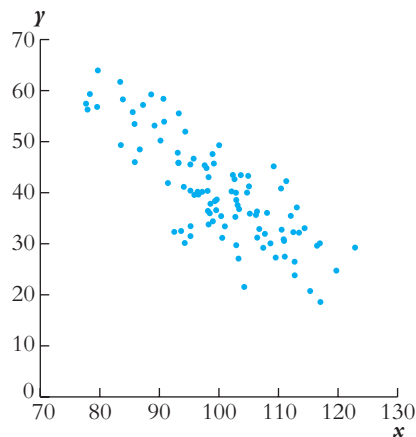


FIGURE 3.3 Scatterplots for Four Hypothetical Data Sets

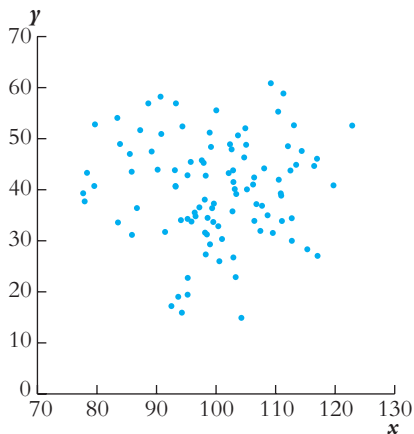
The scatterplots in Figures 3.3a and 3.3b show strong linear relationships between X and Y . In Figure 3.3c, X is independent of Y and the two variables are uncorrelated. In Figure 3.3d, the two variables also are uncorrelated even though they are related nonlinearly.



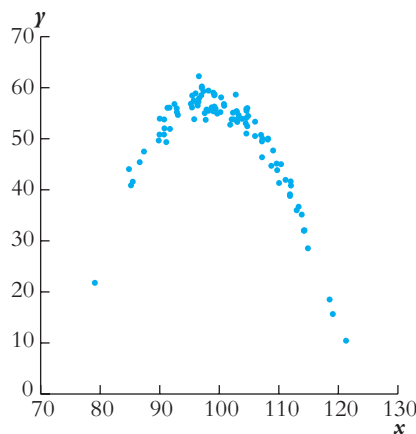
(a) Correlation = +0.9



(b) Correlation = -0.8



(c) Correlation = 0.0



(d) Correlation = 0.0 (quadratic)