Solution 17.18

We employ multiple linear regression to fit the following equation to the data

$$y = 14.46087 + 9.025217x_1 - 5.70435x_2 \qquad (r^2 = 0.995523; s_{y/x} = 0.888787)$$

The model and the data can be compared graphically by plotting the model predictions versus the data. A 1:1 line is included to indicate a perfect fit.