

**1.** Use the graph to describe the total variation about a regression line in words and in symbols.

**3.** Use the graph to describe the unexplained variation about a regression line in words and in symbols.

**11. *Retail Space and Sales*** The following table represents the total square footage (in billions) of retailing space at shopping centers and their sales (in billions of U.S. dollars) for 11 years. The equation of the regression line is:

ŷ=230.8x – 289.8



**13. *Earnings of Men and Women*** The following table represents median weekly earnings (in U.S. dollars) of full-time male and female workers for five years. The equation of the regression line is:

ŷ= 0.898x- 82.291



**15. *Campaign Money*** The money raised and spent (both in millions of U.S. dollars) by all congressional campaigns for eight recent years are shown in the table. The data can be modeled by the regression equation:

ŷ= 1.020x – 25.854



**16. *Fund Assets*** The following table represents the total assets (in billions of U.S. dollars) of equity funds and bond and income funds for nine years. The equation of the regression line is

ŷ= 0.689x + 68.861



**29. *Coefficient of Determination*** Find the coefficient of determination. What can you conclude?



**30. *Error of Estimate*** Find the standard error of estimate Se and interpret the results.

