

Math 1160 - Section 1.5 Answer Key

Use the linear regression function on your calculator to solve these problems.

10. $y = 1.4x + 3.5$

12a. $y = 2648.1x - 2436.8$

12b. $y = 2648.1(2.04) - 2436.8 \rightarrow$ Approximately 2965 average miles per automobile

12c. $11868 = 2648.1x - 2436.8 \rightarrow$ Approximately \$5.40

16a. $y = -1.274x + 5.792$

16b. The higher the independence, the lower the inflation rate.

16c. $y = -1.274(.6) + 5.792 = 5.0276 \rightarrow$ Approximately 5.0%

16d. $6.8 = -1.274x + 5.792 = -0.791 \rightarrow$ Approximately -0.8