

A researcher collected data on monthly rental charges for commercial properties. Using the data points, the researcher estimated that the equation of the line of best fit is $y=3.75 x+250$, where $x$ is the area in square feet of the rented property and $y$ is the monthly rent in dollars.

Part A: Explain how the researcher could have estimated an equation for a line of best fit.

Part B: What is the slope of the line of best fit? Explain what the slope represents in this situation.

Part C: One of the commercial properties has a monthly rent of $\$ 2,500$. Substitute this amount in the line of best fit equation and then solve. Explain what your solution represents.

