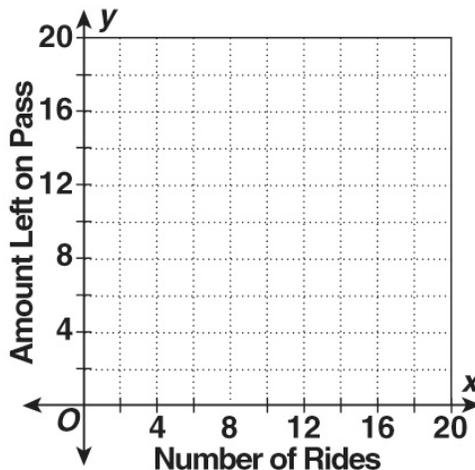


Busing Around Memphis

Trey loves riding the bus with his friends to shop at Oak Court Mall, jump at Sky Zone Sports, and see the animals at the Memphis Zoo. Trey decided to purchase a \$20 bus pass. Each time he rides the bus, \$1.25 is deducted from the pass.



- A. Create a table depicting the data. Use at least 4 input values.
- B. Write an equation that represents the amount of money on the bus pass after x rides.
- C. Graph the equation. Use mathematical reasoning to describe your graph. Label your coordinates.



D. Identify the slope. Justify your answer by using the table or graph.

E. Identify the x - and y -intercepts. Explain the meaning of each in the context of the problem.

F. Trey's friend John believes Trey can ride the bus only 15 times. Trey disagrees and believes he can use the bus passes for 8 expeditions. Who is correct and why?