

Name: _____ Class: _____ Date: _____

POW 20



Mia, Colton, and Ian use the same taxi company to travel. The initial fee for a taxi ride is \$2.60. Each mile traveled in a taxi costs an additional \$2.50.

PART A

One day, Mia rode 2 miles in a taxi. What was the total cost, in dollars, of her taxi ride?

PART B

Colton rode in a taxi to get to work. The total cost of his taxi ride was \$9.60. Let x represent the number of miles Colton rode in the taxi. Write an equation that represents the situation.

PART C

Based on your answer to Part B, what is the total distance, in miles, that Colton rode in the taxi? Show or explain how you got your answer.

PART D

Ian rode in a taxi to get to an airport. The total cost of his taxi ride was more than \$12. Write and solve an inequality to find the possible distances, in miles, Ian could have traveled in the taxi. Show or explain how you got your answer.