P1.1

1.1

First, we must find the price of a round-trip in the car by first finding out how much gas is used on one full commute. Once that is found, we can use our known mpg and price per gallon ($4) + maintenance per mile and our route mileage to find the price of one full day of travel. We then compare that to our train ticket multiplied by two (since it is a one way) to find the answer.

$$\frac{4 \cdot m \cdot .05}{mpg} = Car\ price \quad VS \quad 2\ train\ ticket$$