Write the equations and solve.

1. Mr. Smith wants to put up a fence on three sides of a rectangular shape. The fence is to border the two shorter sides and one of the longer sides. The length must be equal to two times the width decreased by 6. If Mr. Smith has 100 ft. of fence, write an equation that when solved will give the required width of the rectangle.

2. Earl budgeted $190 for renting a car for five days. How far can he travel if the charge is $170 with a charge of $.20 per mile?

3. Three fourths of a tsp. of water soluble plant food is mixed with 4 gallons of water. How many tsp. are needed for 12 gallons of water?

4. The riverboat Riptide has 231 passengers. If the cruise director, Lou, noticed that there were 25 more women than men passengers, how many male passengers were there on board?

5. The difference between a number and five more than twice the number is -12. Find the number.