

Name _____

Date _____

Word Problems That Require Equations or Inequalities - Guided Lesson

Complete the following problems:

Write a system of equations, graph them, and find the solution.



1) Jorge wants to purchase a new car by taking a loan out. He has two choices for his loan. Loan A is a \$7 per month installment and requires a down payment of \$400. Loan B is a \$5 per month installment and requires a \$600 down payment. Find out how many months he has to pay the installments for both loans to cost him the same amount. What would be the amount spent at that point?

2) Ron is planning an exhibition. He has to pay \$50 for rental of the exhibition hall. He also has expenses on refreshments that are \$10 per visitor. Each visitors will pay \$12 for the exhibition fees. How many visitors does Ron need to cover his fees and break even? What will be Ron's total expenses be to reach that point?

3) James organized a farewell party at his school for the 10th and 12th grade students. He has to pay \$100 as rent for the party floor and his expenses on each dinner are \$15 per student. Each student will pay \$20 to James. How many students does James need to come to the party to reach a breakeven point?

