Algebra 1 ECA Remediation **Name _____**

Homework 19.3

1. Amy and Nicole are selling pies for a school fundraiser. Customers can buy apple pies and lemon meringue pies. Amy sold 5 apple pies and 9 lemon meringue pies for a total of $198. Nicole sold 3 apple pies and 14 lemon meringue pies for a total of $265. Write a system of equations that can be used to determine the cost of one apple (A) and one lemon meringue pie (L).

   Answer _____

   What is the cost of one lemon meringue pie?

   Answer _____

2. The senior classes at High School A and High School B planned separate trips to the water park. The senior class at High School A rented and filled 6 vans and 6 buses with 378 students. High School B rented and filled 12 vans and 9 buses with 585 students. Each van and each bus carried the same number of students. Write a system of equations that can be used to determine the number of students each van holds (V) and the number of students each bus holds (B).

   Answer _____

   How many students does each bus hold?

   Answer _____

Algebra 1 ECA Remediation **Name _____**

Homework 19.3

3. Dan's school is selling tickets to a play. On the first day of ticket sales the school sold 8 senior citizen tickets and 14 student tickets for a total of $137.80. The school took in $45.30 on the second day by selling 2 senior citizen tickets and 7 student tickets. Write a system of equations that can be used to find the cost a one senior citizen ticket (C) and one student ticket (S).

Answer _____

What is the cost of one student ticket?

Answer _____

Answers to Homework 19.3

1. 5A + 9L = 198, 3A + 14L = 265, $17
2. 6V + 6B = 378, 12V + 9B = 585, 57 students
3. 8C + 14S = 137.80, 2C + 7S = 45.30, $3.10