Homework 19.1

1.   Kali and Asanji are selling pies for a school fundraiser. Customers can buy blueberry
        pies and lemon meringue pies. Kali sold 5 blueberry pies and 10 lemon meringue pies
        for a total of $245. Asanji sold 4 blueberry pies and 9 lemon meringue pies for a total of
        $216. Write a system of equations that can be used to determine the cost of one
        blueberry pie (B) and one lemon meringue pie (L).

        Answer _____

        What is the cost of one blueberry 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 5 vans and 12 buses with
        642 students. High School B rented and filled 11 vans and 6 buses with 372 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 _____

Homework 19.1

3.   Matt's school is selling tickets to a play. On the first day of ticket sales the school sold 9 senior citizen tickets and 14 student tickets for a total of $307.60. The school took in $234.40 on the second day by selling 11 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 19.1

1. $5B + 10L = 245$, $4B + 9L = 216$, $9

2. $5A + 12B = 642$, $11A + 6B = 372$, 51 students

3. $9C + 14S = 307.60$, $11C + 7S = 234.40$, $14