Math 9/9H Name_____

© 2016 Kuta Software LLC. All rights reserved.

4.1d Notes - Systems Word Problems - SET IT UP.

Period____ #_____

1) The difference of two numbers is 2. Their sum is 16. Find the numbers.

2) DeShawn and Shawna are selling cheesecakes for a school fundraiser. Customers can buy New York style cheesecakes and chocolate marble cheesecakes. DeShawn sold 1 New York style cheesecake and 4 chocolate marble cheesecakes for a total of $93. Shawna sold 11 New York style cheesecakes and 5 chocolate marble cheesecakes for a total of $282. Find the cost each of one New York style cheesecake and one chocolate marble cheesecake.

3) Elisa and Sumalee each improved their yards by planting grass sod and shrubs. They bought their supplies from the same store. Elisa spent $54 on 4 ft^2 of grass sod and 9 shrubs. Sumalee spent $35 on 1 ft^2 of grass sod and 13 shrubs. What is the cost of one ft^2 of grass sod and the cost of one shrub?

4) The school that Mei goes to is selling tickets to the annual dance competition. On the first day of ticket sales the school sold 9 adult tickets and 2 child tickets for a total of $107. The school took in $185 on the second day by selling 9 adult tickets and 8 child tickets. Find the price of an adult ticket and the price of a child ticket.

5) The water park is a popular field trip destination. This year the senior class at High School A and the senior class at High School B both planned trips there. The senior class at High School A rented and filled 11 vans and 7 buses with 282 students. High School B rented and filled 6 vans and 7 buses with 227 students. Each van and each bus carried the same number of students. Find the number of students in each van and in each bus.

© 2016 Kuta Software LLC. All rights reserved. Made with Infinite Pre-Algebra.