Assignment

Date_____   Period____

1) The sum of two numbers is 9. Their difference is 1. What are the numbers?

   A) 6 and 6   B) 6 and 8   C) 4 and 5   D) 3 and 3

2) The sum of two numbers is 13. Their difference is 3. What are the numbers?

   A) 8 and 7   B) 7 and 11   C) 6 and 10   D) 5 and 8

3) Flying with the wind a plane went 365 km/h. Flying into the same wind the plane only went 337 km/h. What is the speed of the wind? How fast would the plane go if there were no wind?

   A) Plane: 283 km/h, Wind: 7 km/h   B) Plane: 351 km/h, Wind: 14 km/h
   C) Plane: 191 km/h, Wind: 16 km/h   D) Plane: 549 km/h, Wind: 18 km/h

4) Traveling with the current a certain boat went 13 mph. Against the same current it only went 1 mph. Find the speed of the boat in still water and the speed of the current.

   A) Boat: 7 mph, Current: 6 mph   B) Boat: 9 mph, Current: 5 mph
   C) Boat: 9 mph, Current: 7 mph   D) Boat: 3 mph, Current: 5 mph

5) The school that Kristin goes to is selling tickets to the annual talent show. On the first day of ticket sales the school sold 5 senior citizen tickets and 2 student tickets for a total of $46. The school took in $86 on the second day by selling 5 senior citizen tickets and 7 student tickets. What is the price each of one senior citizen ticket and one student ticket?

   A) senior citizen ticket: $10, student ticket: $9
   B) senior citizen ticket: $5, student ticket: $10
   C) senior citizen ticket: $8, student ticket: $6
   D) senior citizen ticket: $6, student ticket: $8

6) Mei and Sarawong are selling cheesecakes for a school fundraiser. Customers can buy French silk cheesecakes and strawberry cheesecakes. Mei sold 2 French silk cheesecakes and 1 strawberry cheesecake for a total of $55. Sarawong sold 2 French silk cheesecakes and 8 strawberry cheesecakes for a total of $188. Find the cost each of one French silk cheesecake and one strawberry cheesecake.

   A) French silk cheesecake: $19, strawberry cheesecake: $18
   B) French silk cheesecake: $18, strawberry cheesecake: $19
   C) French silk cheesecake: $16, strawberry cheesecake: $23
   D) French silk cheesecake: $16, strawberry cheesecake: $21

7) Going down the river a boat went 11 mph. Going up the river it only went 1 mph. What is the speed of the current? How fast would the boat go if there were no current?

   A) Boat: 4 mph, Current: 3 mph   B) Boat: 7 mph, Current: 4 mph
   C) Boat: 10 mph, Current: 7 mph   D) Boat: 6 mph, Current: 5 mph

8) The school that Alberto goes to is selling tickets to a play. On the first day of ticket sales the school sold 7 adult tickets and 7 child tickets for a total of $133. The school took in $91 on the second day by selling 7 adult tickets and 1 child ticket. What is the price each of one adult ticket and one child ticket?

A) adult ticket: $7, child ticket: $12   B) adult ticket: $12, child ticket: $7
C) adult ticket: $19, child ticket: $6   D) adult ticket: $17, child ticket: $6

9) The sum of two numbers is 11. Their difference is 3. What are the numbers?

A) 5 and 9   B) 2 and 11   C) 5 and 3   D) 4 and 7

10) Traveling downstream a certain boat went 15 km/h. Traveling upstream it only went 1 km/h. What is the speed of the current? How fast would the boat go if there were no current?

A) Boat: 9 km/h, Current: 4 km/h   B) Boat: 4 km/h, Current: 9 km/h
C) Boat: 10 km/h, Current: 6 km/h   D) Boat: 8 km/h, Current: 7 km/h

Answers to Assignment (ID: 1)

1) C
2) D
3) B
4) A
5) D
6) B
7) D
8) B
9) D
10) D