



- 4) Mei and Nicole are selling pies for a school fundraiser. Customers can buy cherry pies and pumpkin pies. Mei sold 7 cherry pies and 2 pumpkin pies for a total of \$131.70. Nicole sold 1 cherry pie and 4 pumpkin pies for a total of \$82.70. What is the cost each of one cherry pie and one pumpkin pie?
- 5) The school that Chelsea goes to is selling tickets to the annual talent show. On the first day of ticket sales the school sold 3 senior citizen tickets and 1 student ticket for a total of \$34.90. The school took in \$160.70 on the second day by selling 9 senior citizen tickets and 11 student tickets. Find the price of a senior citizen ticket and the price of a student ticket.
- 6) One number is 1 more than 3 times another number. The difference between the two numbers is 13. Find the numbers.

## Answers to Word Problems: Systems of Equations (ID: 1)

- 1) 9 and 13
- 2) adult ticket: \$10, child ticket: \$14
- 3) daylily: \$9, shrub: \$11
- 4) cherry pie: \$13.90, pumpkin pie: \$17.20
- 5) senior citizen ticket: \$9.30, student ticket: \$7
- 6) 6 and 19