1) The sum of two numbers is 20. Their difference is 4. Find the numbers.

forget to define your variables and answer the problem with a sentence.

2) The school that Mary goes to is selling tickets to a play. On the first day of ticket sales the school sold 9 adult tickets and 3 child tickets for a total of \$120. The school took in \$195 on the second day by selling 13 adult tickets and 6 child tickets. Find the price of an adult ticket and the price of a child ticket.

3) Julio and Bill each improved their yards by planting rose bushes and ornamental grass. They bought their supplies from the same store. Julio spent \$159 on 9 rose bushes and 12 bunches of ornamental grass. Bill spent \$115 on 9 rose bushes and 8 bunches of ornamental grass. What is the cost of one rose bush and the cost of one bunch of ornamental grass?

4)	The school that Julia goes to is selling tickets to a fall musical. On the first day of ticket sales the school sold 1 senior citizen ticket and 7 child tickets for a total of \$39.40. The school took in \$116.70 on the second day by selling 10 senior citizen tickets and 11 child tickets. Find the price of a senior citizen ticket and the price of a child ticket.
5)	The school that Daniel goes to is selling tickets to a fall musical. On the first day of ticket sales the
	school sold 14 adult tickets and 11 child tickets for a total of \$340.50. The school took in \$126.50 on the second day by selling 7 adult tickets and 2 child tickets. Find the price of an adult ticket and the price of a child ticket.
6)	The difference of two numbers is 4. Their sum is 22. What are the numbers?

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

1) 8 and 12 2) adult ticket: \$9, child ticket: \$13

3) rose bush: \$3, bunch of ornamental grass: \$11 4) senior citizen ticket: \$6.50, child ticket: \$4.70

5) adult ticket: \$14.50, child ticket: \$12.50 6) 9 and 13