


Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Question 1)


An electronics Warehouse ships televisions and DVD players in certain combinations to retailers throughout the country. The weight of 3 televisions and 5 DVD players is 62.5 pounds, and the weight of 3 televisions and 2 DVD players is 52 pounds.

Create a system of equations that represents this situation. Then solve it to find out how much each television and DVD player weighs.

 [Systems of equations word problems example 1 | Algebra I | Khan Academy](#)

## Question 2)

The sum of two numbers is 17. Their difference is 3. Find the two numbers.

 [Find the value of two numbers if their sum is 12 and their difference is 4](#)

## Question 3)

Find the value of two numbers if their sum is 15, and their difference is 5.

Question 4)

Beth's school is selling tickets to a fall musical. On the first day of ticket sales, the school sold 12 senior tickets and 16 child tickets for a total of \$336. The school took in \$312 on the second day by selling 15 senior tickets and 11 child tickets. Find the price of a senior ticket and the price of a child ticket. (The video uses the "substitution method" to solve this problem. Please make a good note, but you can use the "elimination method" as well.)

<https://www.youtube.com/watch?v=R5au1Mb-71s>