

Elimination - Mixed Review

- 1) Find the value of two numbers if their sum is 160 and their difference is 30.
- 2) The difference of two numbers is 46. Their sum is 152. Find the numbers.
- 3) Find the value of two numbers if their sum is 182 and their difference is 14.
- 4) Lea and Imani are selling wrapping paper for a school fundraiser. Customers can buy rolls of plain wrapping paper and rolls of shiny wrapping paper. Lea sold 2 rolls of plain wrapping paper and 7 rolls of shiny wrapping paper for a total of \$139. Imani sold 12 rolls of plain wrapping paper and 10 rolls of shiny wrapping paper for a total of \$290. Find the cost each of one roll of plain wrapping paper and one roll of shiny wrapping paper.

- 5) Gabriella and Trevon are selling fruit for a school fundraiser. Customers can buy small boxes of oranges and large boxes of oranges. Gabriella sold 8 small boxes of oranges and 5 large boxes of oranges for a total of \$113. Trevon sold 13 small boxes of oranges and 8 large boxes of oranges for a total of \$182. What is the cost each of one small box of oranges and one large box of oranges?

- 6) Chelsea and Micaela each improved their yards by planting hostas and ivy. They bought their supplies from the same store. Chelsea spent \$104 on 2 hostas and 11 pots of ivy. Micaela spent \$136 on 6 hostas and 11 pots of ivy. Find the cost of one hosta and the cost of one pot of ivy.

Solve each system of equations. These next two systems are slightly more difficult to set up, but give them a shot.

- 7) A test has twenty questions worth 100 points. The test consists of True/False questions worth 3 points each and multiple choice questions worth 11 points each. How many multiple choice questions are on the test?
- 8) Bob has 60 coins consisting of quarters and dimes. The coins combined value is \$9.45. Find out how many of each quarters and dimes Bob has.