

Use systems to solve the following problems. The choice of method is up to you. Use an alternate method to check your answers.

- I. Some coins (dimes and nickels) are in a pile. The total value of the pile is \$1.35. The number of nickels is one coin less than twice the number of dimes. Using a system of equations, find the number of each type of coin.

- II. You are searching for two integers. The sum of twice the first integer and three times the second integer is nine. At the same time, the sum of three times the first integer and twice the second integer is one. Find the two integers.
