



## Algebra I Class Worksheet #2 Unit 3 page 2

Solve each of the following problems algebraically (one variable solution). Show your work neatly organized.

5. A collection of ordinary dimes and nickels is worth \$5. If the number of dimes is five more than the number of nickels, then how many coins of each type are there in the collection?

6. A collection of ordinary dimes and quarters is worth \$5. If the number of quarters is eight less than the number of dimes, then how many coins of each type are there in the collection?

7. A collection of ordinary dimes and nickels is worth \$3.75. If the number of dimes is five less than twice the number of nickels, then how many coins of each type are there in the collection?

8. A collection of ordinary quarters and nickels has a total value of \$4. If there are 60 coins in the collection, then how many coins of each type are there?