Algebra 2
Unit: Systems of Equations and Inequalities
Section: Systems of Equations with Three Variables

Review Worksheet

1) Solve the following systems of equations.

a. $x + y + z = 8$
   $2x - 3x + z = 1$
   $x = z - 2y$

b. $x + y + z = 3$
   $3x - y + z = 13$
   $x = -4y$

2. Jimmy has a handful of pennies, nickels and dimes that are worth $1.46. There are 20 coins all together and he has the same number of dimes as pennies and nickels combined. How many of each does he have?

3. In a triangle, the largest angle is six times the smallest angle. Also, the middle angle is twice the smallest angle. What are the measures of each angle?