Ch. 16 Board Problems

Solve for the Point of Intersection.

① $7x + 2y = 24$
$8x + 2y = 30$

② $-4x + 9y = 9$
$x - 3y = -6$

③ $5x + 4y = -30$
$3x - 9y = -18$

ALGEBRA I - QUIZ

SOLVING SYSTEMS OF EQUATIONS BY ELIMINATION

① $2x + y = 7$
$3x - y = 3$

② $2x + 3y = 8$
$3x + y = 5$

③ $4x + 2y = 8$
$5x - 3y = 4$

④

CH. 16 NOTES: COIN PROBLEMS

SEVEN COINS MADE UP OF NICKELS & DIMES
TOTALLING .55.

HOW MANY OF EACH COIN?

GOAL: _____

FIRST EQUATION QUESTION: _____

SECOND EQUATION QUESTION: _____

② ELEVEN COINS, DIMES & NICKELS
VALUE = .70

③ TWELVE COINS, NICKELS AND QUARTERS,
TOTAL VALUE = $1.40

④ SIXTEEN COINS, PENNIES & DIMES
VALUE = $1.24

⑤ 342 PEOPLE ATTENDED A CONCERT.
CHILDREN'S TICKET WERE $5 AND
ADULTS WERE $7. $1990 WAS
COLLECTED IN TICKET SALES.
HOW MANY CHILDREN ATTENDED?
HOW MANY ADULTS?

Follow the directions to find the number of coins.

There are eight coins made up of nickels and dimes. The total value is $.65.

1. Write two equations, one for the number of coins and one for the value.

2. How many dimes are there?

3. How many nickels are there?

There are 25 coins made up of pennies and dimes. The total value is $.88.

4. Write two equations, one for the number of coins and one for the value.

5. How many pennies are there?

6. How many dimes are there?

There are 26 coins made up of nickels and pennies. The total value is $.86.

7. Write two equations, one for the number of coins and one for the value.

8. How many nickels are there?

9. How many pennies are there?

There are 13 coins made up of quarters and dimes. The total value is $1.75.

10. Write two equations, one for the number of coins and one for the value.

11. How many quarters are there?

12. How many dimes are there?