Math 058 Test Chapter 4.1-4.2   **Mkrtchyan**

Write an equation for each problem, and then solve it:

1. The sum of ten and a number is three. Find the number.

    Equation: _____

    Answer: _____

2. Three is subtracted from five times a number, giving a result that is nine more than twice the number. Find the number.

    Equation: _____

    Answer: _____

3. The sum of two numbers is forty. Seven times the smaller is equal to three times the larger. Find the two numbers.

    Equation: _____

    Answer: _____

4. Kevin is 7 years older than Bob. The sum of their ages is 47 years. How old is each?

    Equation: _____

    Answer: _____

5. A university employs a total of 330 teaching assistants and research assistants. There are five times as many teaching assistants as research assistants. Find the number of research assistants employed by the university.

    Equation: _____

    Answer: _____

6. The sum of three consecutive odd integers is 78. Find the integers.

Equation: _____

Answer: _____

7. A person has $225 in fives and tens. He has twice as many tens as fives. How many fives does he have?

Equation: _____

Answer: _____

8. Twice the largest of three consecutive integers is seventeen less than three times the smallest. Find the integers.

Equation: _____

Answer: _____

9. The total value of the dimes and nickels in a bank is $3.45. There are six fewer dimes than nickels. Find the number of each type of coin in the bank.

Equation: _____

Answer: _____

10. A child's piggy bank contains nickels, dimes and quarters. There are four times as many nickels as dimes and ten more nickels than quarters. The total value of all the coins is $5.30. Find the number of each type of coin.

Equation: _____

Answer: _____