Meal Out

Ten friends go out for a meal.

Some friends have three-course meals and the rest have two-course meals.

The bill for all 10 meals is $141 dollars.

The number of people who have three-course meals is x.

1. One of these equations can be solved to find the correct value of x.

$$15x + 12x = 141$$
$$15x + 12(x - 10) = 141$$
$$15x + 12(10 - x) = 141$$
$$(15 + 12)x = 141$$
$$15x + 12y = 141$$

Which is the correct equation? _____

2. Solve the equation and find the number of people who had three-course meals and the number of people who had two-course meals.
Show how you figured it out and show that you have tested your answers to see they are correct.

Number who had three-course meals _____

Number who had two-course meals _____