LINEAR WORD PROBLEMS IN STANDARD FORM $Ax + By = C$

What is the total that is given? _____

What do the variables stand for:

x=_____, **y=** _____

a. Write an equation that describes all possible numbers of questions that may be on the test.

b. If you have 24 questions worth 4 points apiece, how many questions will be worth 2 points apiece?

What is the total that is given? _____

What do the variables stand for:

x=_____, **y=** _____

a. Write an equation.

b. If Louse has 2 five-dollar bills, how many singles does she have?

What is the total that is given? _____

What do the variables stand for:

x=_____, **y=** _____

a. Write an equation.

b. If each sandwich costs $3.75, how much did each salad cost?

Identify the variables in this situation: x= _____ y= _____

What is the given information in this problem (find all that apply)?
y-intercept _____ slope _____ Total: _____
one point (,   ) a second point: (,   )

a. Write an equation to describe different possible combinations of Roast beef and shrimp that he can buy for $96.

b) What is the greatest amount of shrimp he can buy?

5. It will take 20 points to make the playoffs, the hockey team coach told the players. "We get 2 points for a win and 1 point for a tie." Let W be the number of wins and T the number of ties.

Identify the variables in this situation: x= _____ y= _____

What is the given information in this problem (find all that apply)?
y-intercept _____ slope _____ Total: _____
one point (,   ) a second point: (,   )

a. Write an equation to describe the values of W and T that will let the team make the playoffs.

b. If the team wins 7 games, how many tie games will need to occur?