Lucy's Task

Lucy has been assigned the following linear equations and inequality word problems. Help her solve each problem below by using a five step plan.

- Drawing a Sketch (if necessary)
- Defining a Variable
- Setting up an equation or inequality
- Solve the equation or inequality
- Make sure you answer the question

1) The sum of 38 and twice a number is 124. Find the number.

2) A rectangle is 12m longer than it is wide. Its perimeter is 68m. Find its length and width.

3) Find three consecutive integers whose sum is 171.

4) Find four consecutive even integers whose sum is 244.