20. Swing turns

Name_____

Directions: Please show all work, describe how you got the answer, and circle your final answer.
If you use a calculator, say so, but also write out the calculations you did with the calculator.

The Problem: Milayai found through trial and error that her robot would make a full 360-degree swing turn to the right when she programmed her left wheel to go forward 1960 degrees.

How many degrees should Milayai program her left wheel to rotate if she wants her robot to turn 90 degrees?

How many degrees should Milayai program her left wheel to rotate if she wants her robot to turn 235 degrees?