

# Warm-up Problem

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:** The blue team used the big wheels on their robot and programmed it to go forward 720 degrees. The red team used the small wheels on their robot but programmed it to go forward 1440 degrees. Which team's robot, red or blue, will go further? (Note: The diameter of the big wheel is 5.5cm and the diameter of the small wheel is 3.0cm.)