

13. Basketball Court

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: Tracey was interested in programming his robot to run the length of a basketball court. A standard size basketball court is 94 feet long (1 ft = 30.48 cm). How many degrees of wheel rotations should Tracey program his robot to go forward using the standard wheels? Recall that the diameter of the standard wheels is 5.5 cm.