Name _____

Circles: Practice "B" Page

- Do all work on separate sheet, show formula used.
- Use 3.14 for π
- You may use a calculator
- Round to 100ths

#1

The Earth has a diameter of 7,926.41 miles, what is the distance around the Earth?

#2

Adele cycled to school. Find the distance travelled by Adele if her bicycle wheels rotated 840 times and the radius is 0.25 m.

#3

The circumference of the moon is about 6790 miles. What is the distance to the center of the moon in km? (remember: 1m $\approx$ 1.6 km)

#4

Bernie works at a community center that has a circular swimming pool with a circumference of 40 meters. He would like to use a rope to divide the pool down the center. What should be the length of the rope?

#5

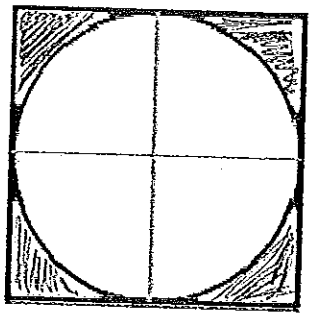
Find the radius of a circle it its area is 50 square inches.

Circles: Practice "C" Page

#1

Ed and Carol are jogging around a circular track in the park. The diameter of the track is 0.8 miles. Find, to the nearest mile, the number of miles they jogged if they made two complete trips around the track.

#2



Calculate the shaded area, knowing that the side of the outer square is 6 cm and the radius of the circle is 3 cm.

#3

Anne is riding a horse which is tied to a pole with a 3.5 m piece of rope and her friend, Laura, is riding a donkey which is 2 m from the same center point. Calculate the distance traveled by each when they have rotated 50 times around the center.

#4

Penny Pinscher is purchasing pepperoni pizzas for her pals. A pizza 10 inches in diameter costs $7.00, and a pizza 16 inches in diameter costs $16.00. Should Penny purchase two 10-inch pizzas or one 16-inch pizza to get the most pizza for her money? Explain your answer.