Handout 2: You Spin My Head Right Round

- 1. Find the area of a circle with radius 5 m.
- 7. The area of a circle is 36 cm². Find the diameter.
- 2. Find the area of a circle with circumference 14π ft.
- 8. What is the area of a wheel with a diameter of 18 in?
- 3. Find the diameter of a circle that has an area 16π mi².
- 4. Find the area of a circle that has a di-

ameter of 22 ft.

- 9. For an extra fee, the car dealer is willing to upgrade your wheels to be 22 inches in diameter. Compared to a wheel with an 18-inch diameter, how much bigger is the area of this wheel?
- 5. Find the area of a semicircle with diameter 6 in.
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- 6. The area of a circle is 9π cm². What is the circumference?
- 10. You decide to stick with the 18-inch wheel. After driving the car for a few months, the tires lose pressure and the area is now 64π in². If the wheel is still perfectly circular, what is the tire's radius?

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