

Lesson 6 ~ More Pi

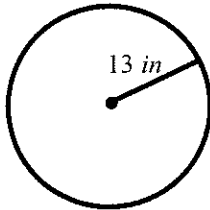
Name _____ Period _____ Date _____

Identify the most appropriate form of pi to use in each situation. Explain your answer.

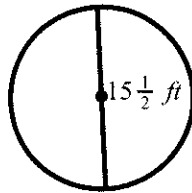
1. Julio is trying to find the circumference of a circle with a diameter of 14 feet.
2. Grace wants a rough estimate of the area of her circular lawn.
3. Mr. Tran is programming a computer model to manufacture a precision measuring tool.

Use the π button on a calculator to find the circumference and area of each circle. Round to the nearest hundredth.

4.



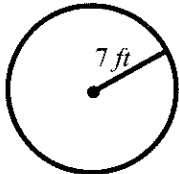
5.



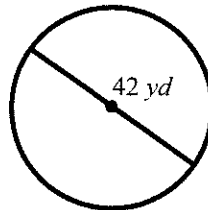
6. $\odot V$ with a radius of 2.4 cm.

Find the circumference and area of each circle. Use $\frac{22}{7}$ for π .

7.



8.



Use 3.14, $\frac{22}{7}$, the calculator π button or exact terms to answer each question. Round to the nearest hundredths, as needed.

9. $\odot A$ has an area of 100π units. What is the circumference of $\odot A$?
10. A circular picture frame has a radius of 14 inches. Find the area of the frame.
11. Kim has a 7-foot diameter circular bed. Her bedspread hangs over the side $1\frac{3}{4}$ feet all the way around. Find the area of Kim's bedspread.