Name _____

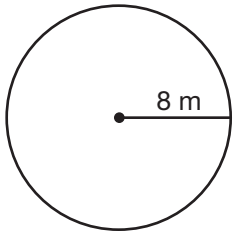
Reteaching
17-4

Circumference

Find the circumference. Use 3.14 or $\frac{22}{7}$ for π.

Use the formula $C = 2\pi r$.

$C = 2\pi r$
$C = 2 \times 3.14 \times 8$
$C = 6.28 \times 8$
$C = 50.24$ m



Find the diameter and the radius of a circle with a circumference of 65.94 in.

Divide by π to find the diameter.

$65.94 \div \pi = d$
$65.94 \div 3.14 = 21$
$d = 21$ in.

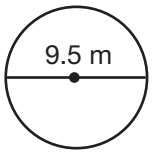
To find the radius, divide the diameter by 2.

$21 \div 2 = 10.5$
$r = 10.5$ in.

$C = \pi d$, so $\frac{C}{\pi} = d$.

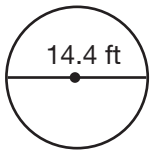
Find each circumference. Use $\frac{22}{7}$ or 3.14 for π.

1.



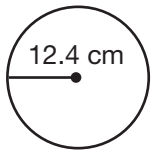
_____

2.



_____

3.



_____

Find the missing measurements for each circle. Round to the nearest hundredth.

4. $C = 39.25$ ft.

$d =$ _____

5. $C = 63.3024$ m

$r =$ _____

6. $r = 5.95$ yd

$C =$ _____

7. Number Sense Which circle has the greater circumference: a circle with a diameter of 13.2 in., or a circle with a radius of 6.9 in.? Explain.

_____

_____

_____