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NAME _____ DATE _____

CIRCUMFERENCE: Worksheet 1

Use $\pi = 3.14$. Round answers to hundredths if necessary.

1) $r = 14$ cm.
Find C.

2) $d = 9$ ft.
Find C.

3) $r = 2.5$ in.
Find C.

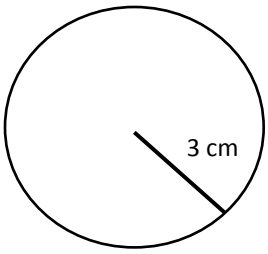
4) $d = 20$ mi.
Find C.

5) C = 12 in.
Find *r*.

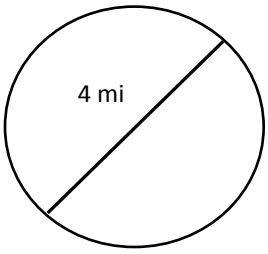
6) C = 18 cm.
Find *r*.

7) C = 3.5 mi.
Find *d*.

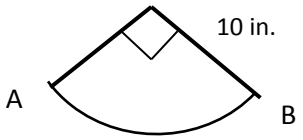
8) Find C.



9) Find C.



10) Find the distance the pendulum swings from A to B.



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KEY
CIRCUMFERENCE: Worksheet 1

Use $\pi = 3.14$. Round answers to hundredths if necessary.

1) r = 14 cm. Find C.

$3.14 \bullet 28 = 87.92 cm$

2) d = 9 ft. Find C.

$3.14 \bullet 9 = 28.26\ ft$

3) r = 2.5 in. Find C.

$3.14 \bullet 5 = 15.7 in$

4) d = 20 mi. Find C.

$3.14 \bullet 20 = 62.8 mi$

5) C = 12 in. Find r.

$(12 \div 3.14) \div 2 = 1.91 in$

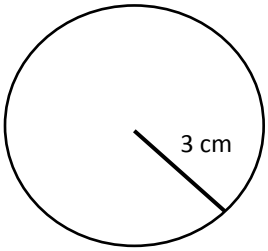
6) C = 18 cm. Find r.

$(18 \div 3.14) \div 2 = 2.87 cm$

7) C = 3.5 mi. Find d.

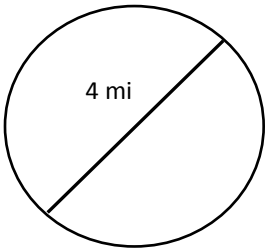
$3.5 \div 3.14 = 1.11 mi$

8) Find C.



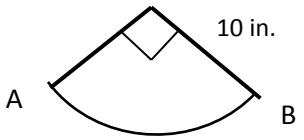
$3.14 \bullet 6 = 18.84 cm$

9) Find C.



$3.14 \bullet 4 = 12.56 mi$

10) Find the distance the pendulum swings from A to B.



$C = 3.14 \bullet 20 = 62.8 in$
$62.8 \div 4 = 15.7 in$