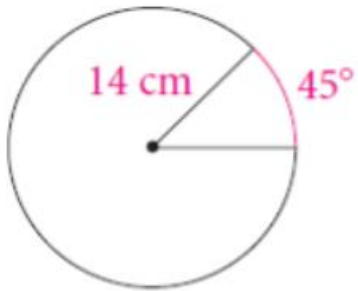# QUIZIZZ

NAME : _____

CLASS : _____

DATE : _____

Homework 6.1 due Mon 2/8 *4 Problems Require Work*

12 Questions

1.

WORK REQUIRED Find the arc length, knowing the central angle is 45 degrees and the radius is 14 cm. Leave your answer in terms of π.
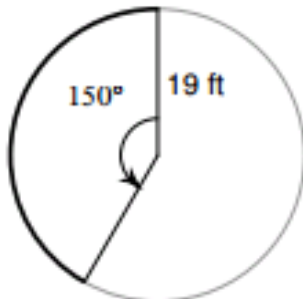
☐ a) $7/4\pi$ ☐ b) $7/2\pi$

☐ c) $1/8\pi$ ☐ d) 45π

2.

WORK REQUIRED

Find the length of the bold arc. Leave your answer in decimal form.
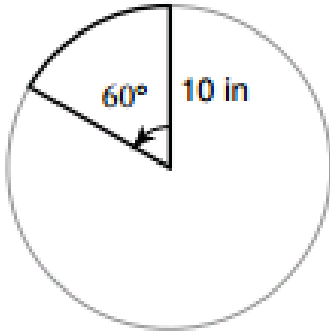
☐ a) 472.3   ☐ b) 49.7

☐ c) 17898   ☐ d) 15.8

3.

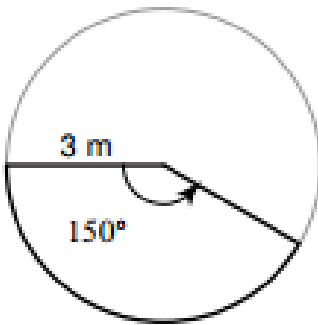WORK REQUIRED Find the area of the sector and give the decimal answer

☐ a) 52.33 ☐ b) 18,840

☐ c) 3768 ☐ d) 10.47

4.

WORK REQUIRED

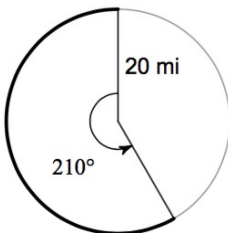Find the area of each sector, leaving your answer in terms of π

☐ a) $\dfrac{\pi}{2}$ ☐ b) 9π

☐ c) $\dfrac{15}{4}\pi$ ☐ d) $11.8\ m^2$

5.

What is the radius of the circle in this diagram?

☐ a) 20 ☐ b) 210
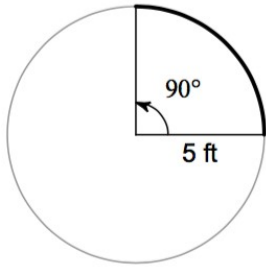
☐ c) 150 ☐ d) 40

6.

90°

5 ft

For the bold arc length, what is the measure of the central angle you should use in the formula?

☐ a) 5   ☐ b) 10

☐ c) 90   ☐ d) 360
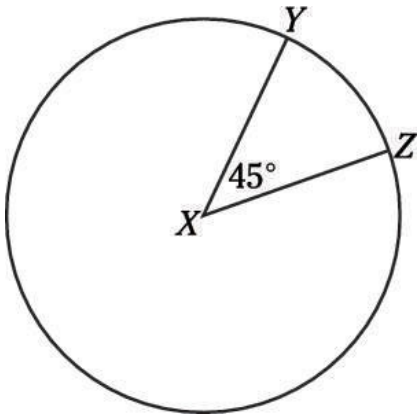
7.

Y

Z

45°

X

If the central angle for arc YZ is 45 degrees, what would the central angle for the larger arc be?

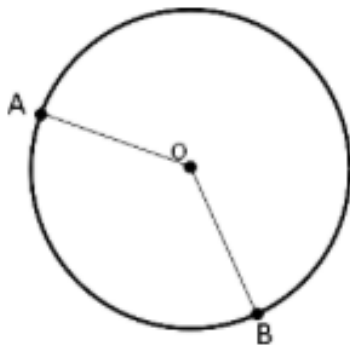☐ a) 45   ☐ b) 90

☐ c) 315   ☐ d) 360
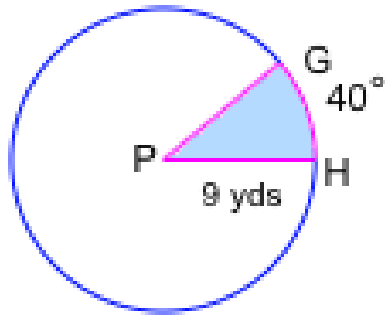
8.

A

O

B

In circle O, if OA = 7 inches, what would the diameter be?

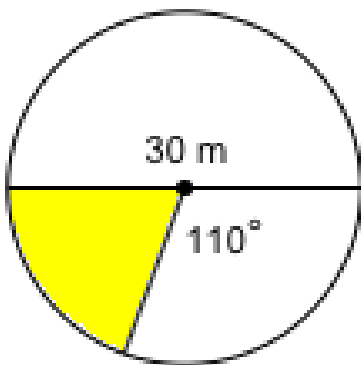☐ a) 7   ☐ b) 14

☐ c) 360

9.

What is the circle demonstrated, named?

☐ a) Circle GPH

☐ b) Circle P

☐ c) Circle O

10.
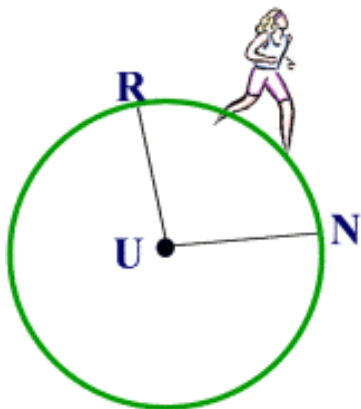

What is the radius of the circle shown?

☐ a) 30 m

☐ b) 70

☐ c) 15 m

☐ d) 110

11.

Alison is jogging on a circular track that has a radius of 140 feet. What additional information do you need to know to determine how far Alison has run?
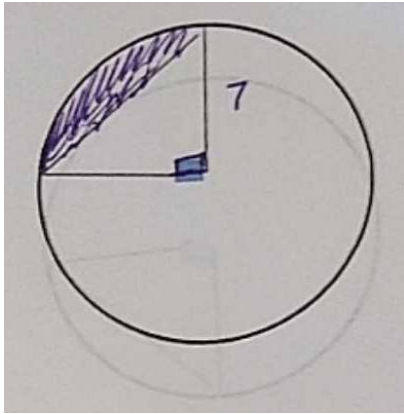
☐ a) The diameter of the track

☐ b) The measure of Angle RUN

☐ c) How long Alison was running

☐ d) How fast Alison was running

12.

To solve for the shaded area, which is the correct approach?

☐ a) $360 - 90$

☐ b) $\dfrac{7 \cdot 7}{2}$

☐ c) $\dfrac{90 \cdot \pi \cdot 7^2}{360} - \dfrac{1}{2} 7 \cdot 7$

☐ d) $7^2 \pi - \dfrac{1}{2} 7^2$