Geometry Do Now January 30, 2020

Name.....Period.....

Line g has a slope of $-\frac{4}{7}$. Which of the following equations represents a line that is **perpendicular** to line g?

A. $y = -\frac{7}{4}x$

B. $y = -\frac{4}{7}x$

C. $y = \frac{4}{7}x$

D. $y = \frac{7}{4}x$

A right circular cylinder has a diameter of 10 inches and a height of 3 inches. What is the volume, in cubic inches, of the cylinder?

A. 15π

B. 75π

C. 225π

D. 300π

On a coordinate grid, point H is the midpoint of $\overline{TW}$.

- Point H has coordinates $(4, -4)$.
- Point W has coordinates $(12, 2)$.

What are the coordinates of point T?

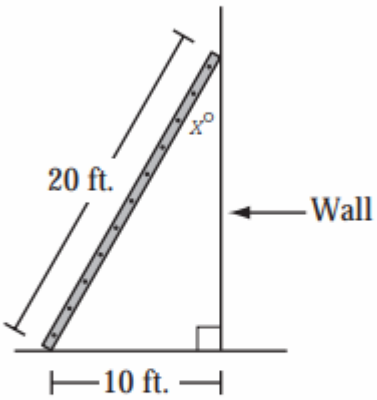
A. $(16, -2)$

B. $(8, -1)$

C. $(-4, -10)$

D. $(-8, -6)$

The diagram below shows a 20-foot ladder leaning against a wall. The bottom of the ladder is 10 feet from the base of the wall.



Based on the dimensions in the diagram, what is the value of x?

A. 15

B. 30

C. 45

D. 60

A right triangle has one angle that measures 70°. What is the measure of the other acute angle in the triangle?

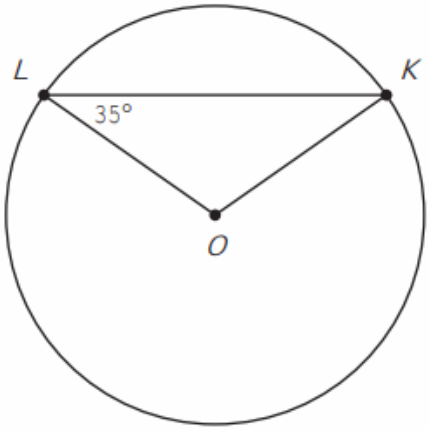
A. 10°

B. 20°

C. 30°

D. 40°

The diagram below shows circle O with radii $\overline{OL}$ and $\overline{OK}$.

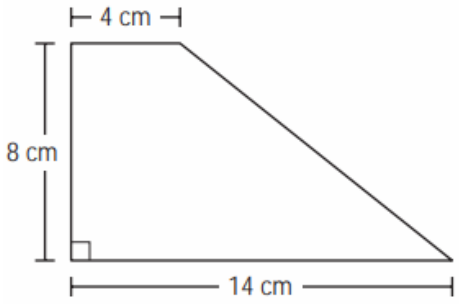


The measure of $\angle OLK$ is 35°.

What is the measure of $\angle LOK$?

A. 70°
B. 90°
C. 110°
D. 130°

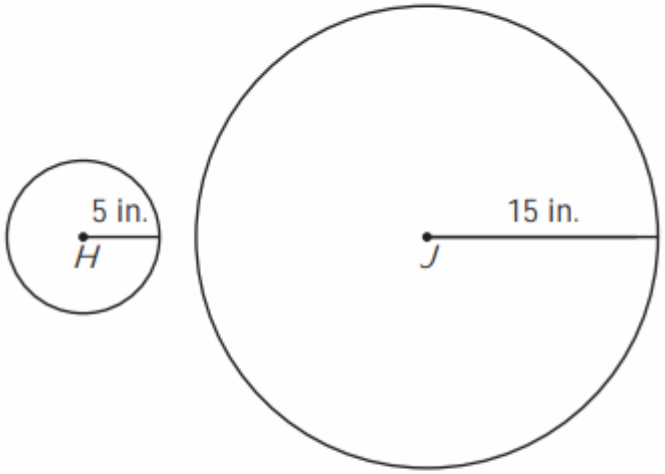
The diagram below shows a trapezoid and some of its dimensions.



What is the area, in square centimeters, of the trapezoid?

A. 56
B. 72
C. 112
D. 144

37 In the diagram below, circle H has a radius of 5 inches, and circle J has a radius of 15 inches.



The area of circle J is how many times the area of circle H?

A. 3
B. 5
C. 7
D. 9

The perimeter of a square is 48 inches. What is the area, in square inches, of the square?