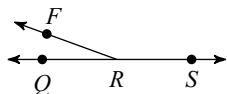


SM2-A HW #10-7 (Review)

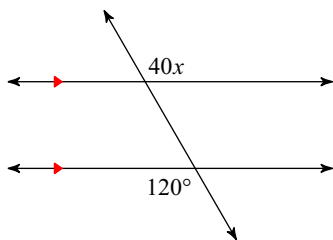
- 1) Find $m\angle QRF$ if $m\angle FRS = 160^\circ$
and $m\angle QRS = 180^\circ$.



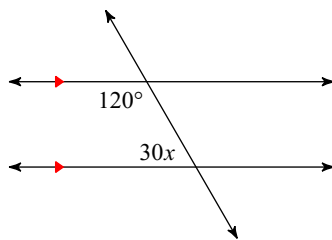
- A) 22° B) 28°
C) 24° D) 20°

Solve for x .

2)

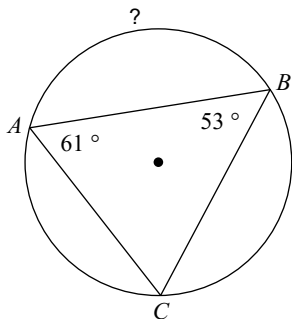


3)

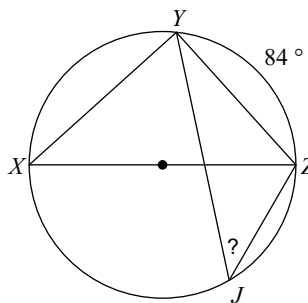


Find the measure of the arc or angle indicated.

4)

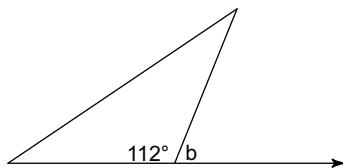


5)



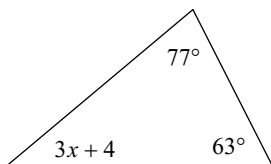
Find the measure of angle b.

6)



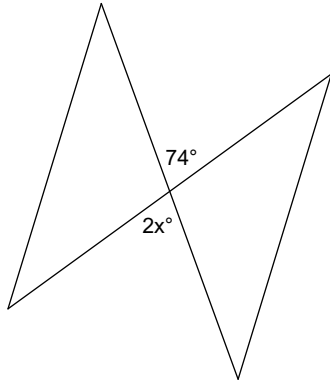
Solve for x .

7)



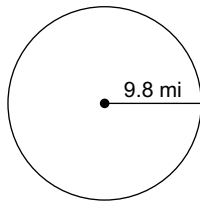
Find the value of x .

8)



Find the area of each. Use your calculator's value of π . Round your answer to the nearest tenth.

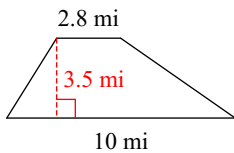
9)



10) circumference = 62.8 mi

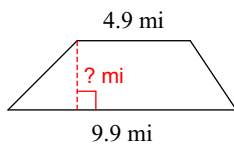
Find the area of each.

11)



Find the missing measurement. Round your answer to the nearest tenth.

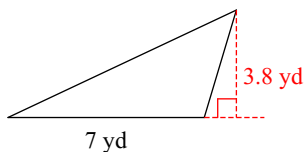
12)



$$\text{Area} = 22.2 \text{ mi}^2$$

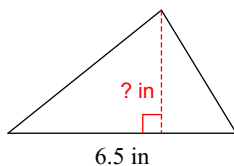
Find the area of each.

13)



Find the missing measurement. Round your answer to the nearest tenth.

14)



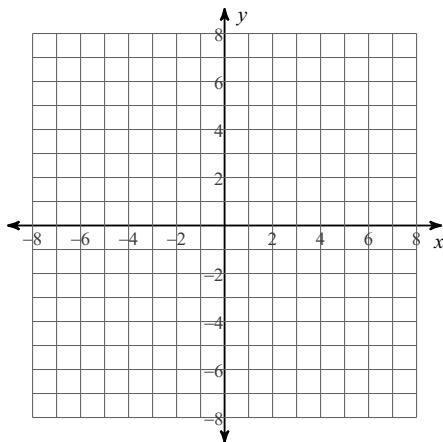
$$\text{Area} = 11.4 \text{ in}^2$$

Use the information provided to write the equation of each circle.

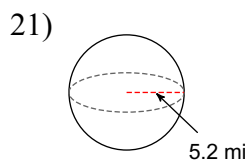
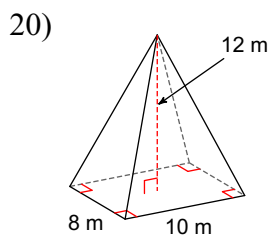
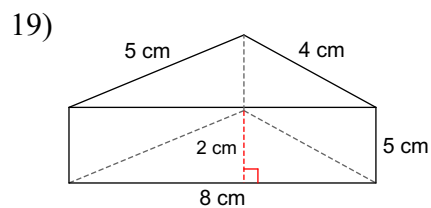
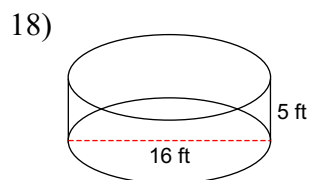
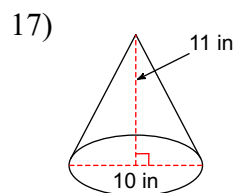
- 15) Center: $(14, 0)$
Radius: 1

Identify the center and radius of each. Then sketch the graph.

16) $(x + 2)^2 + (y - 2)^2 = 16$

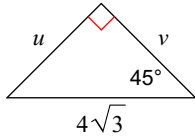


Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.



Find the missing side lengths. Leave your answers as radicals in simplest form.

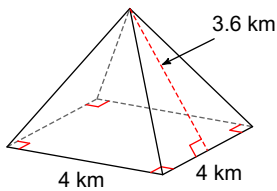
22)



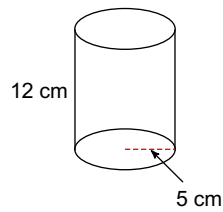
- A) $u = 2\sqrt{2}$, $v = 2\sqrt{2}$
- B) $u = \sqrt{6}$, $v = \sqrt{6}$
- C) $u = 2\sqrt{6}$, $v = 2\sqrt{6}$
- D) $u = 4\sqrt{6}$, $v = 4\sqrt{6}$

Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.

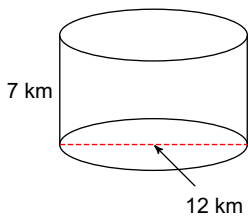
23)



24)



25)



26)

