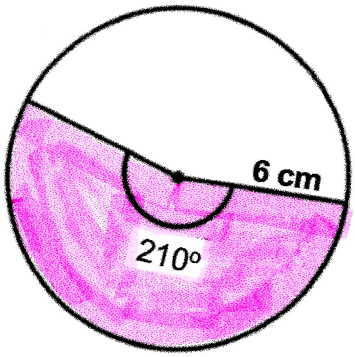
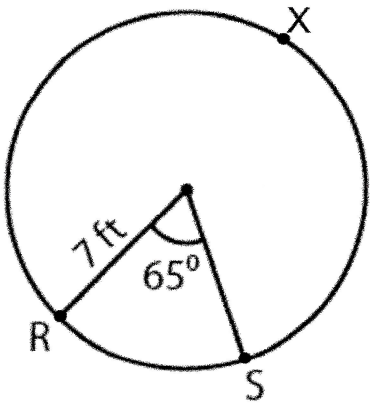
Bellwork Geo Wednesday, April 29, 2020

1. Find the area of the shaded sector to the nearest hundredth.



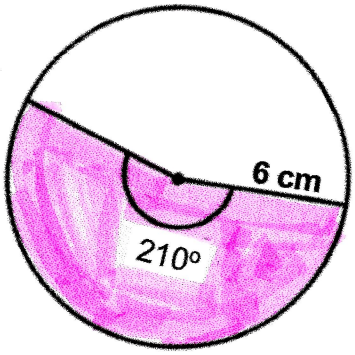
2. Find the length of $\widehat{RXS}$ to the nearest hundredth.



Bellwork Geo Wednesday, April 29, 2020

ANSWERS

1. Find the area of the shaded sector to the nearest hundredth.



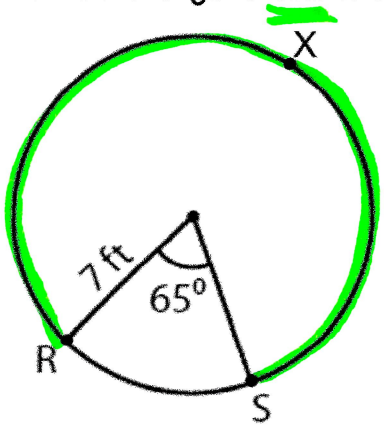
(1) Area of the circle: $A = \pi(6)^2$

$A = 36\pi \text{ cm}^2$

(2) $\frac{210^\circ}{360^\circ} = \frac{X}{36\pi}$

(3) $X = 65.97 \text{ cm}^2$

2. Find the length of $\overset{\frown}{RXS}$ to the nearest hundredth.



(1) Circumference of the circle:

$C = 2\pi(7) = 14\pi \text{ ft}$

(2) $\frac{295^\circ}{360^\circ} = \frac{X}{14\pi}$

$m\overset{\frown}{RXS} = 360^\circ - 65^\circ = 295^\circ$

(3) $X = 36.04 \text{ ft.}$