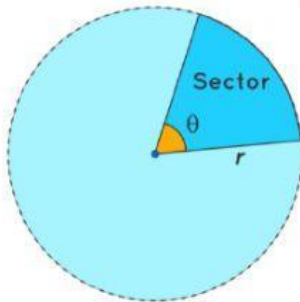


NAME

QUARTER

GRADE & SECTION

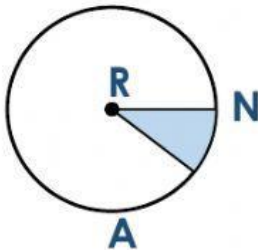
DATE

Activity: **Area of a Sector**

$$\text{sector area} = \frac{\text{arc measure}}{360^\circ} \cdot r^2 \pi$$

1. Study the given to complete the set up for the solution then find the measure of the unknown.

1. Suppose in $\odot R$ that $m\widehat{AN} = 45^\circ$ and the radius is $12m$. What is the area of sector NRA? (round off the answer up to 2 decimal places)



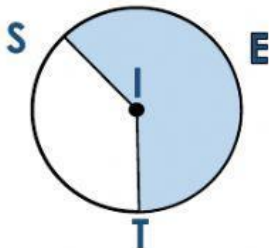
Set-up:

$$\boxed{} = \frac{\boxed{}}{360^\circ} \cdot \boxed{}^2 \pi$$

Therefore...

$$\boxed{} = \boxed{} \boxed{}$$

2. Suppose in $\odot I$ that $m\widehat{SET} = 195^\circ$ and the area of sector SIT is $333.53in^2$. What is the radius of $\odot I$?



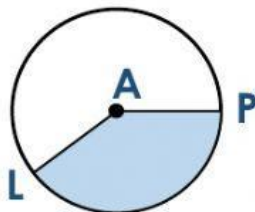
Set-up:

$$\boxed{} = \frac{\boxed{}}{360^\circ} \cdot \boxed{}^2 \pi$$

Therefore...

$$\boxed{} = \boxed{} \boxed{}$$

3. If the area of sector PAL is $142.55ft^2$, and the radius $PA = 11ft$. Find the $m\widehat{PL}$ in degrees.



Set-up:

$$\boxed{} = \frac{\boxed{}}{360^\circ} \cdot \boxed{}^2 \pi$$

Therefore...

$$\boxed{} = \boxed{} \boxed{}$$

How many attempts? ____.
How well did you do?



Need help!



Just OK!



Splendid

I FEEL THAT...