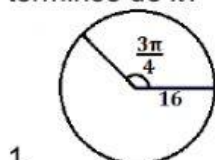


El arco y su fórmula

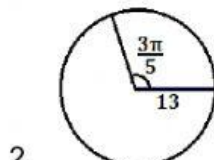
Sra. Silva
11mo grado
Trigonometria
Valor: 30 pts.



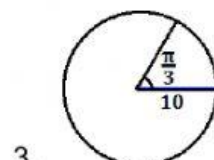
- A. Determina la longitud exacta de cada arco interceptado. Expresa tu respuesta en términos de π .



$S = \underline{\hspace{2cm}} \pi$

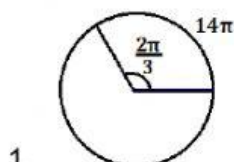


$S = \underline{\hspace{2cm}} \pi$

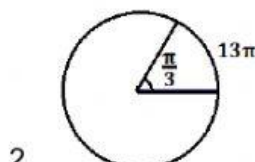


$S = \underline{\hspace{2cm}} \pi$

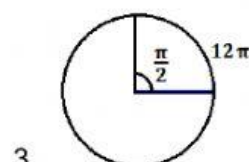
- B. Determina la medida exacta del radio de cada círculo.



$r = \underline{\hspace{2cm}} u$

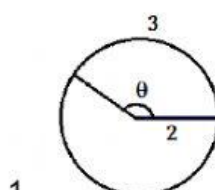


$r = \underline{\hspace{2cm}} u$

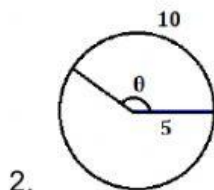


$r = \underline{\hspace{2cm}} u$

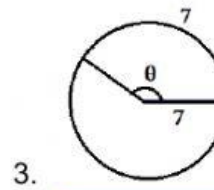
- C. Determina la medida, en radianes, del ángulo central de cada círculo.



$\theta = \underline{\hspace{2cm}} \text{ rad}$



$\theta = \underline{\hspace{2cm}} \text{ rad}$



$\theta = \underline{\hspace{2cm}} \text{ rad}$

- D. Determina la medida del arco de un círculo con radio r y un ángulo central θ . Expresa tu respuesta utilizando tres cifras significativas.

1. $r = 17.4 \text{ in}$; $\theta = 152^\circ$

$S = \underline{\hspace{2cm}} \text{ in}$

4. $r = 8.15 \text{ ft}$; $\theta = \frac{3\pi}{4}$

$S = \underline{\hspace{2cm}} \text{ ft}$

2. $r = 9.37 \text{ m}$; $\theta = 45^\circ$

$S = \underline{\hspace{2cm}} \text{ m}$

5. $r = 17.6 \text{ cm}$; $\theta = \frac{3\pi}{2}$

$S = \underline{\hspace{2cm}} \text{ cm}$

3. $r = 12.0 \text{ cm}$; $\theta = 200^\circ$

$S = \underline{\hspace{2cm}} \text{ cm}$

6. $r = 15.1 \text{ in}$; $\theta = \frac{7\pi}{8}$

$S = \underline{\hspace{2cm}} \text{ in}$