## NO CALCULATOR WARM UP

1) Fill in the table to show your understanding of converting radians to degrees and degrees to radians. Then determine which quadrant or axis the angle lies.

RADIANS	DEGREES	WHERE AM I?
$\frac{3\pi}{10}$	540	7
5TT/6	150°	$\mathbb{T}$
$\frac{7\pi}{6}$	210	$\prod$
$\frac{-3\pi}{2}$	270°	1
-1111	-330°	T
<u>4n</u>	240°	世

Find the value of each. Try not to use your flashcards.

2) 
$$\sin \frac{\pi}{3} = \frac{\sqrt{3}}{2}$$

3)  $\cos 45^\circ = \frac{1}{\sqrt{2}}$ 

4)  $\tan \frac{\pi}{4} = \frac{1}{\sqrt{3}}$ 

5)  $\cos 60^\circ = \frac{1}{2}$ 

6)  $\tan \frac{\pi}{6} = \frac{1}{\sqrt{3}}$ 

7)  $\sin 30^\circ = \frac{1}{2}$ 

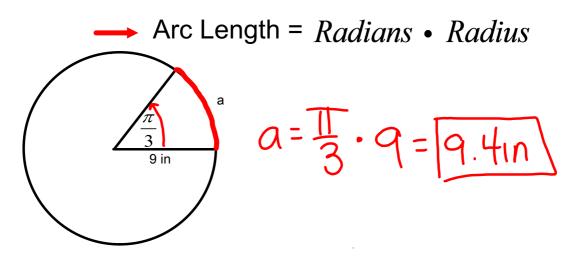
8)  $\tan 60^\circ = \sqrt{3}$ 

5) 
$$\cos 60^{\circ} = \frac{1}{2}$$

6) tan 
$$\frac{1}{6} = \frac{1}{\sqrt{3}}$$

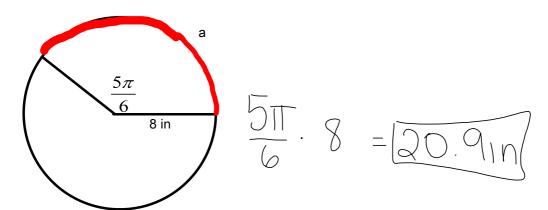
4) 
$$\tan \frac{\pi}{4} = 1$$

Use the circle to find the length of the indicated arc. Round your answer to the nearest tenth.

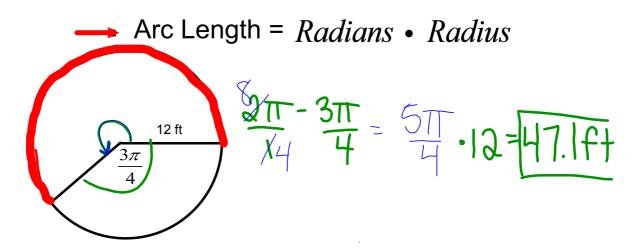


## Use the circle to find the length of the indicated arc. Round your answer to the nearest tenth.

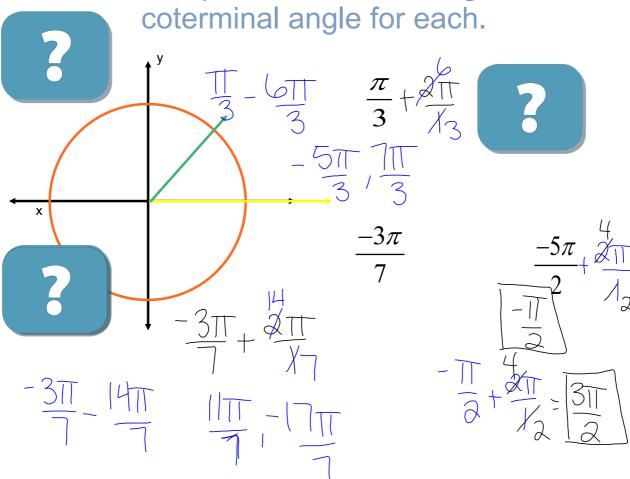
→ Arc



Use the circle to find the length of the indicated arc. Round your answer to the nearest tenth.



Find one positive and one negative



## GO COUGARS!



HW 13.3 Part 2

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13.3 Radian Measure.gsp