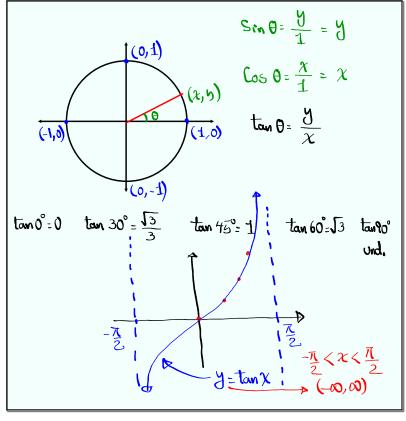
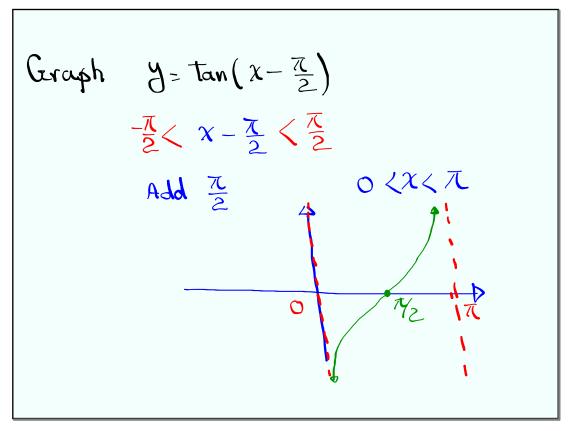


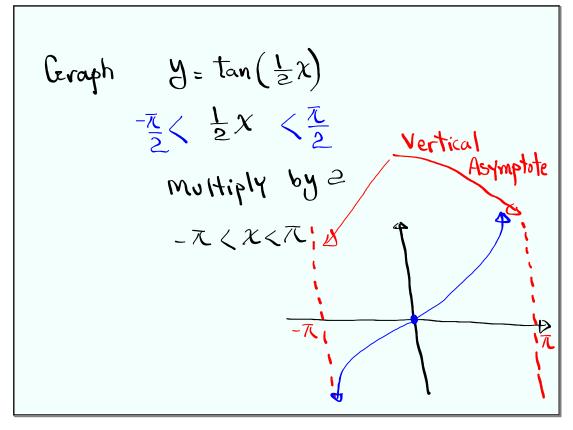
Feb 19-8:47 AM



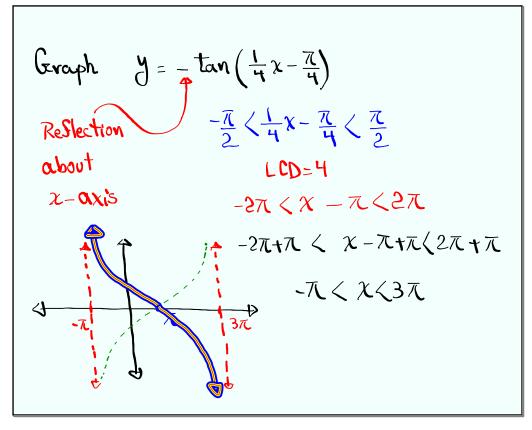
Oct 21-10:29 AM



Oct 23-10:40 AM



Oct 23-10:45 AM



Graph 
$$y = \tan(-2x - \frac{\pi}{2})$$

$$\frac{7}{2}(-2x) - \frac{\pi}{2} < \frac{\pi}{2}$$

$$-\pi < -4x - \pi < \pi$$

$$-\pi < -4x - \pi < \pi$$

$$0 < -4x < 2\pi$$

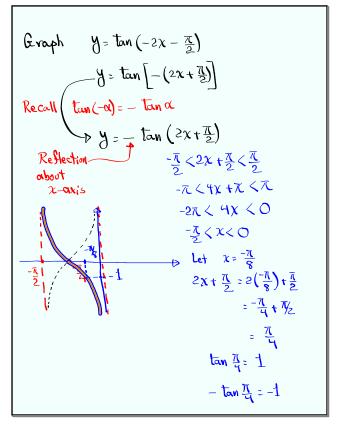
$$\frac{0}{-4} > \frac{-4}{-4}x > \frac{2\pi}{-4}$$
Let  $x = -\frac{\pi}{8}$ 

$$-2x - \frac{\pi}{2} = -2(-\frac{\pi}{8}) - \frac{\pi}{2}$$

$$= \frac{\pi}{4} - \frac{\pi}{2} = -\frac{\pi}{4} \text{ QV } \tan(0)$$

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

Oct 23-10:54 AM



Oct 23-11:00 AM

A boy is rotating a stone at the end of 50 cm String.

He makes 30 revolutions in 45 Seconds

1) Angular Speed per Second.

W= 
$$\frac{\theta}{t} = \frac{60\pi}{45 \text{ Sec.}} = \frac{4\pi}{3} \text{ Rad./sec.}$$

2) Angular Speed per minute.

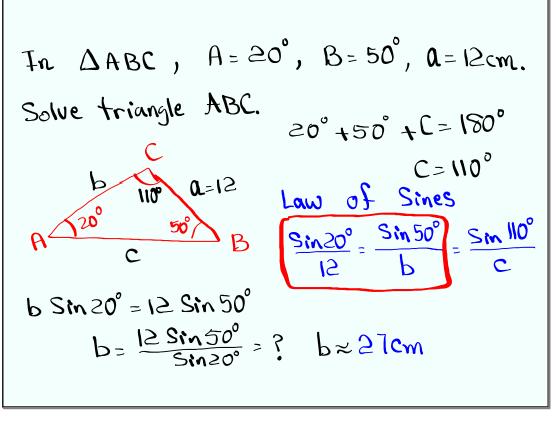
W=  $\frac{4\pi}{3} \text{ Rad.} = 80\pi \text{ Rad/min}$ 

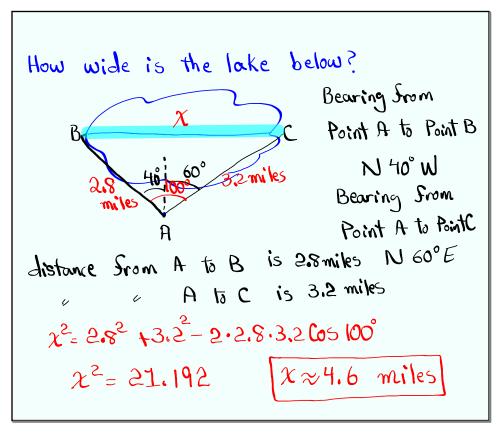
3) Linear Speed.

T= W= 50.807.

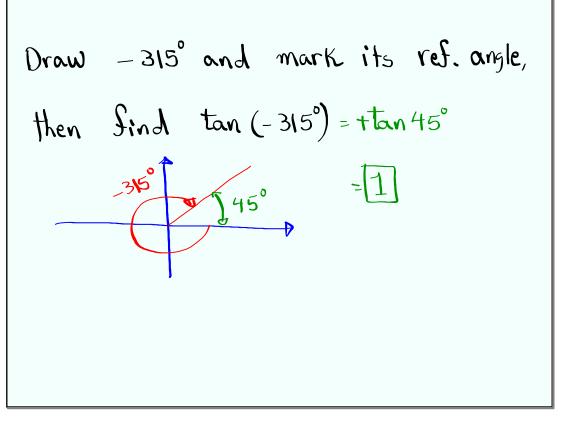
= 40007 cm/min.

Oct 23-11:11 AM





Oct 23-11:22 AM



Sin 
$$A = \frac{-3}{7}$$
, A is in QIII  $\frac{1}{3}$   $\frac{1}{7}$   $\frac$ 

Oct 23-11:31 AM

$$\frac{\cos 4x + \cos 2x}{\sin 4x} = \frac{2 \cos \frac{4x+2x}{2} \cos \frac{4x-2x}{2}}{2 \sin \frac{4x-2x}{2} \cos \frac{4x+2x}{2}}$$

$$= \frac{2 \cos 3x \cos x}{2 \sin x \cos 3x}$$

$$= \frac{\cos x}{\sin x} = \cot x$$

Oct 23-11:39 AM