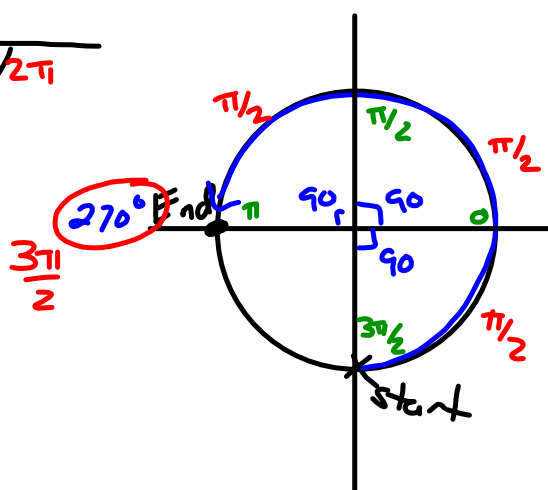
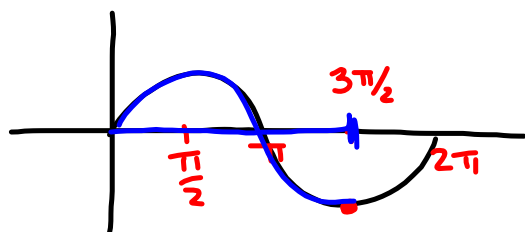
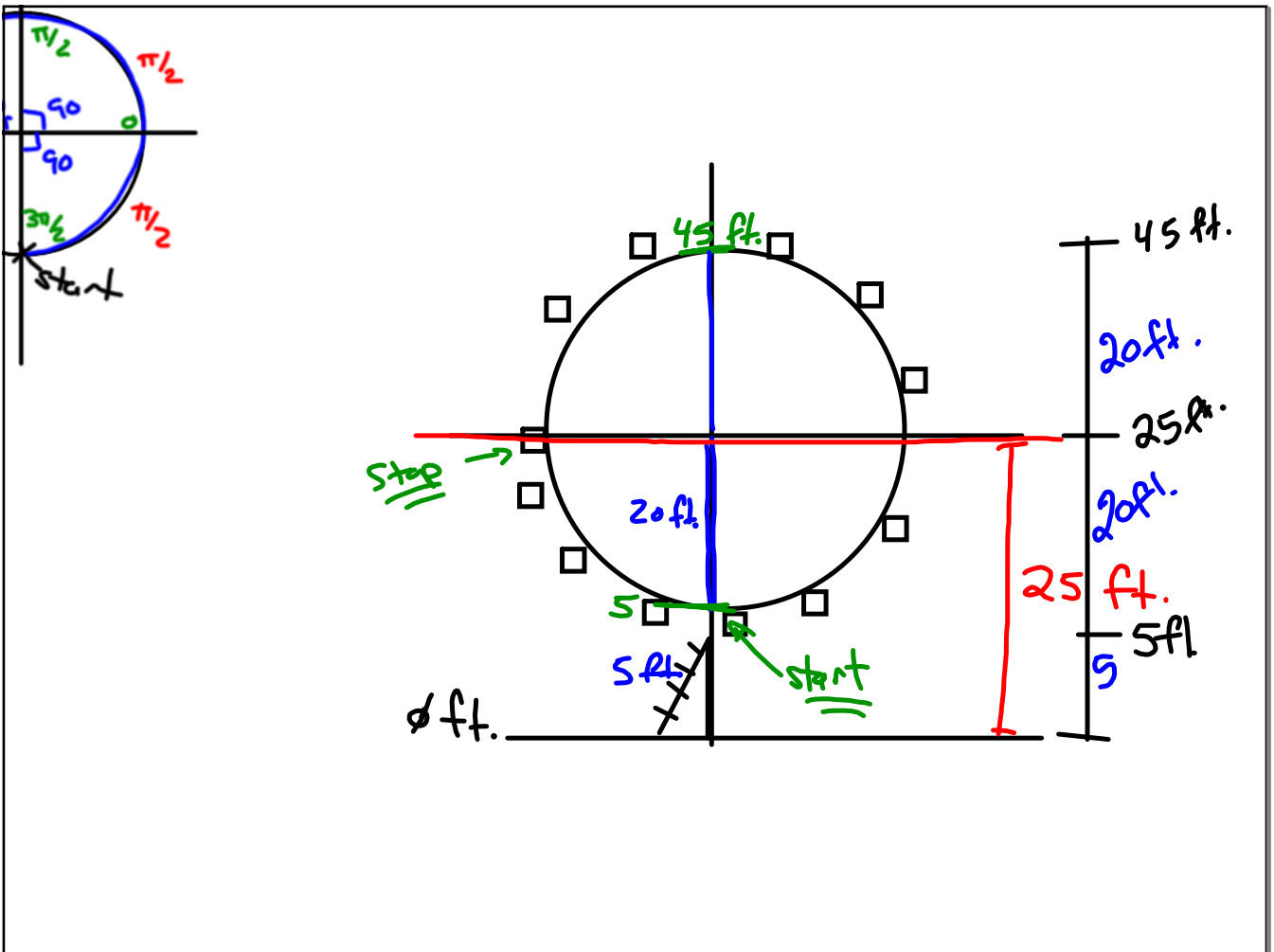
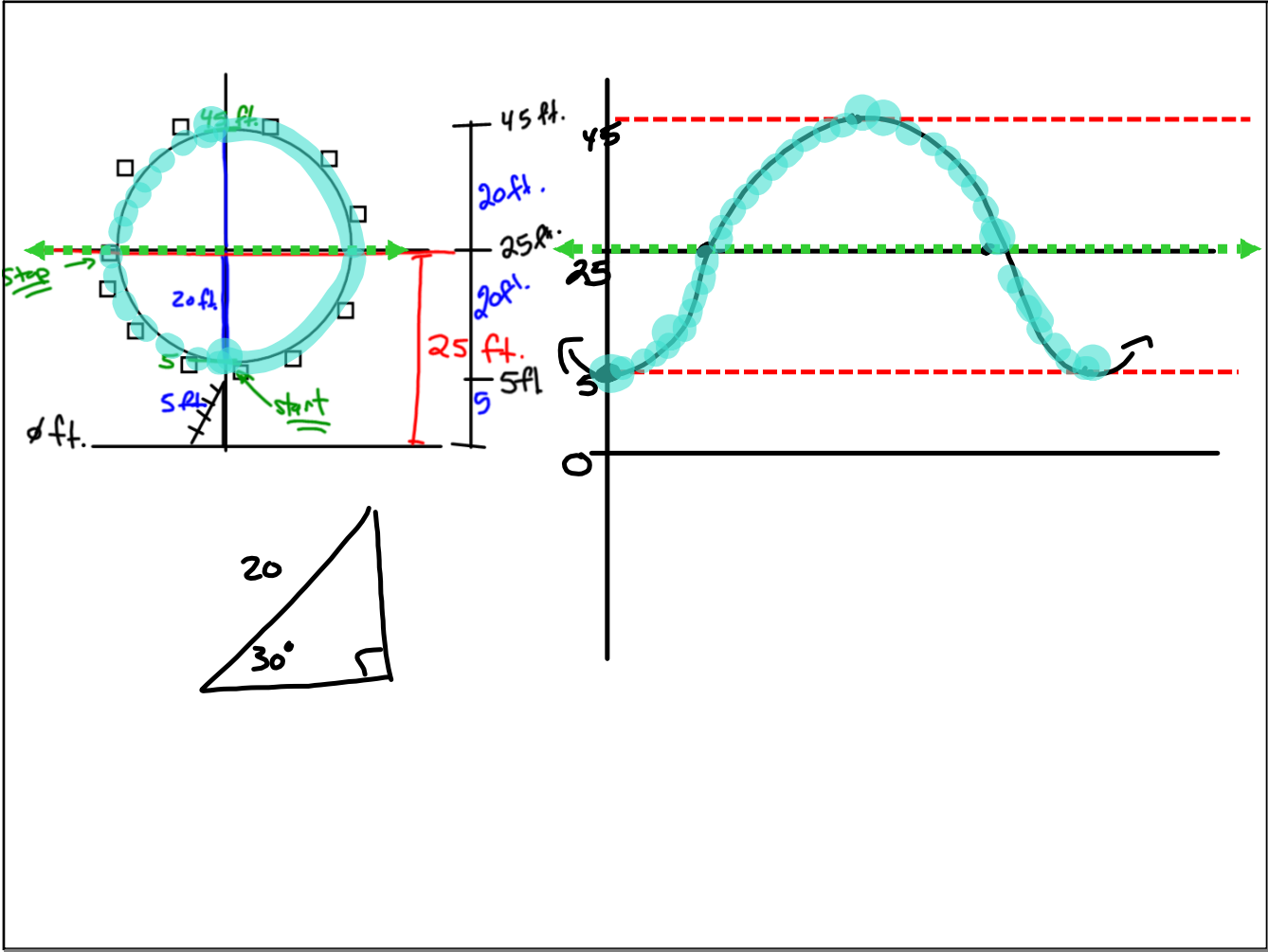
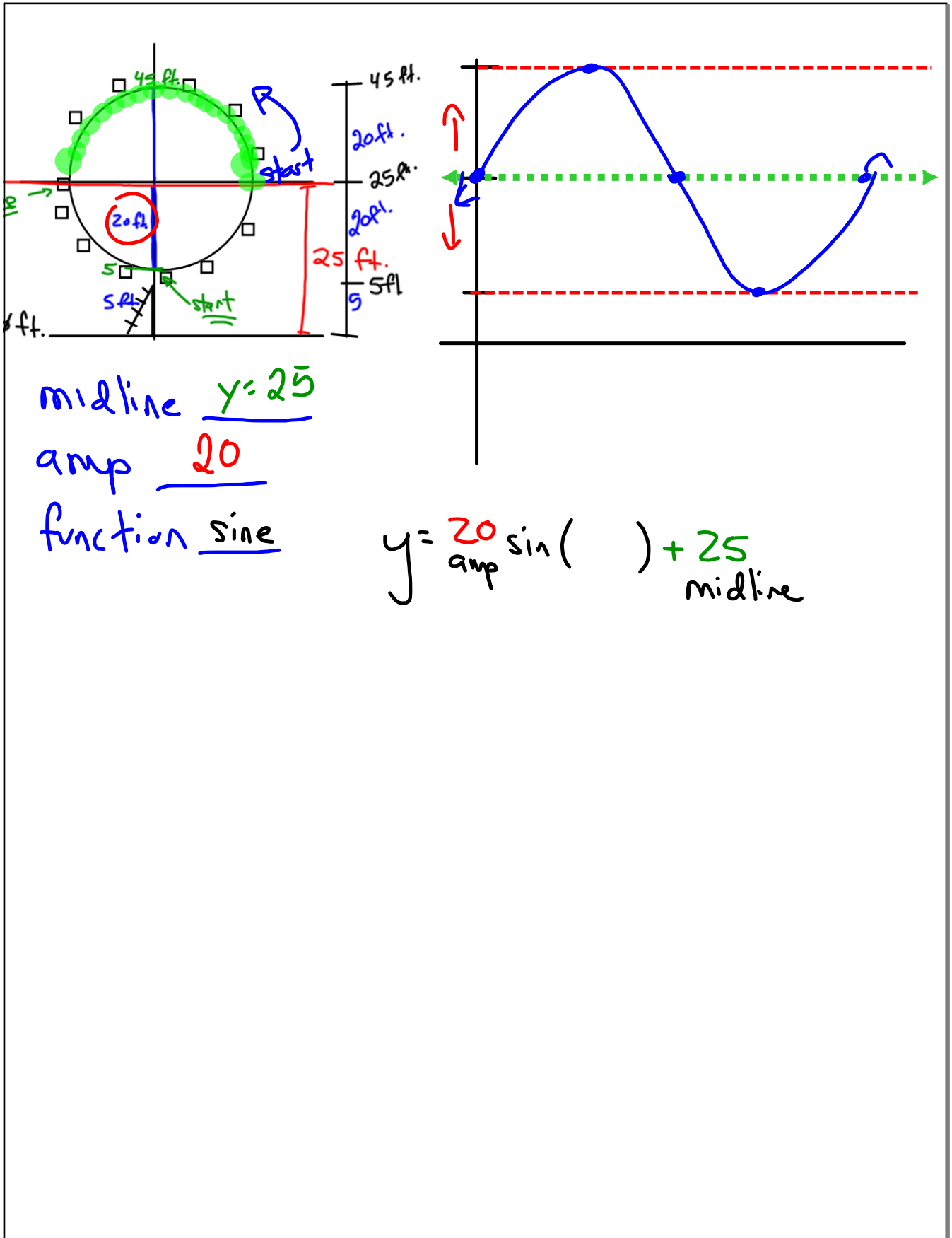


$$y = \sin(\theta)$$









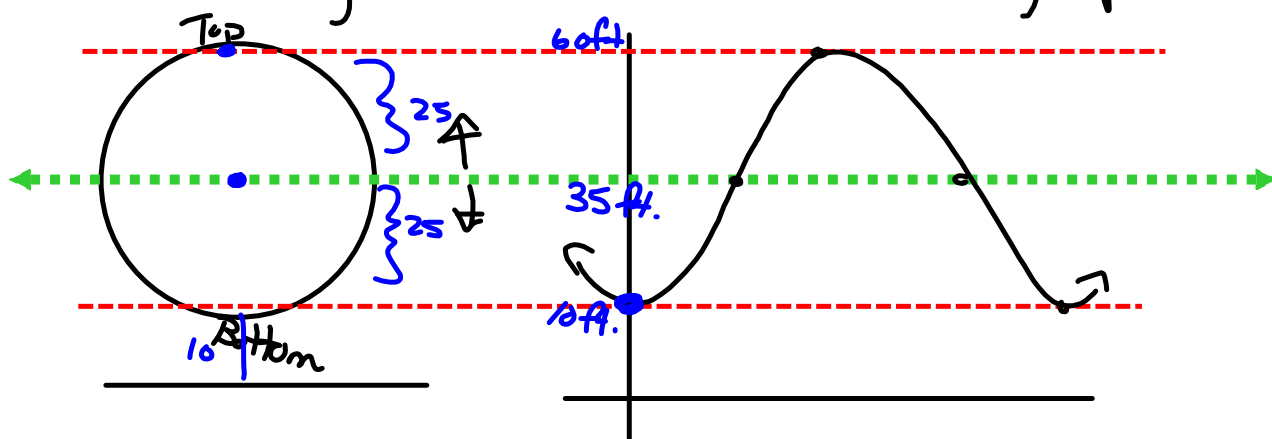
A ferris wheel has a max height of 60 ft. You get on at the bottom 10 ft off the ground. Find the

$$\frac{60 - 10}{50}$$

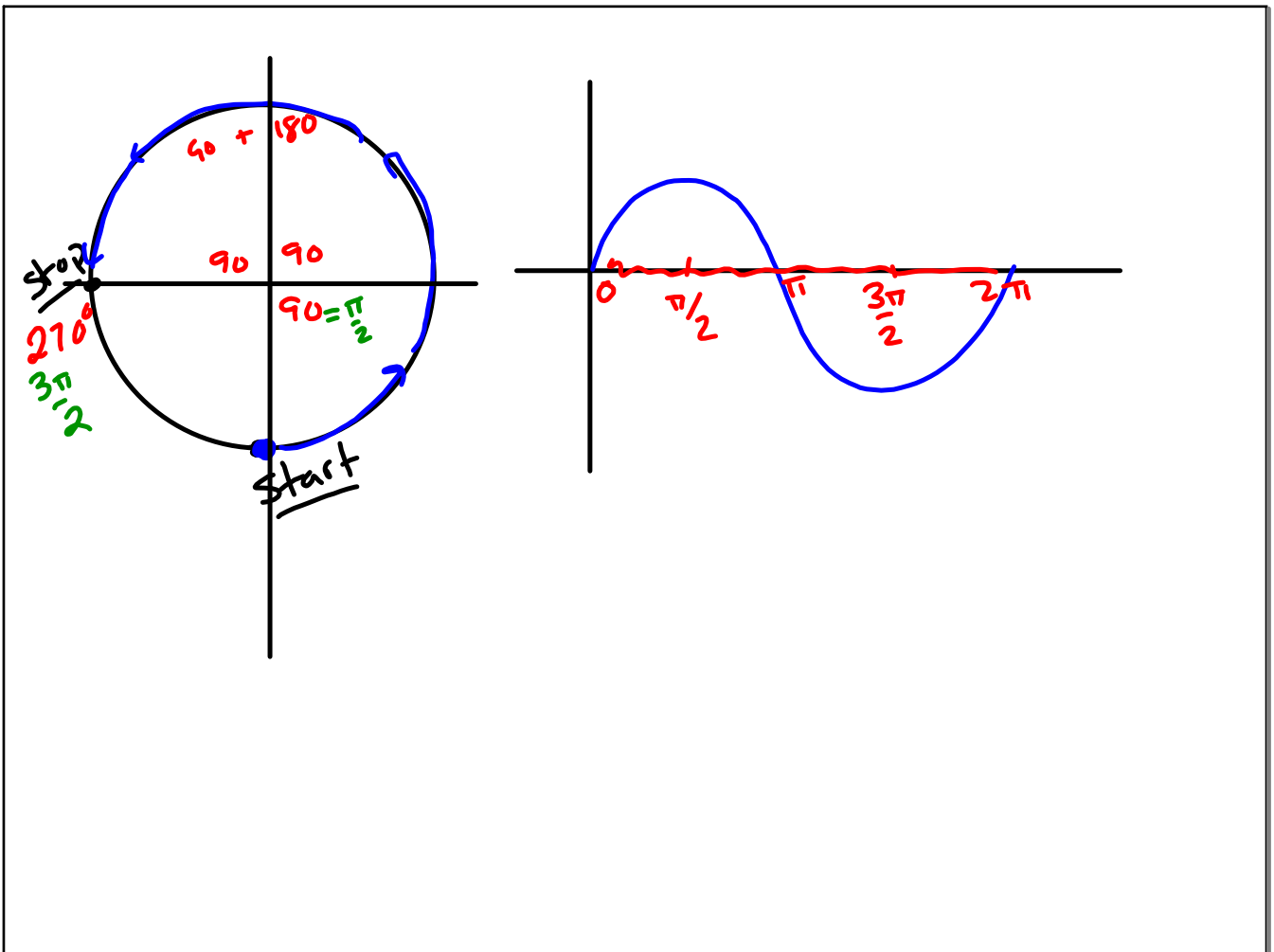
midline, top amp, bottom amp, and

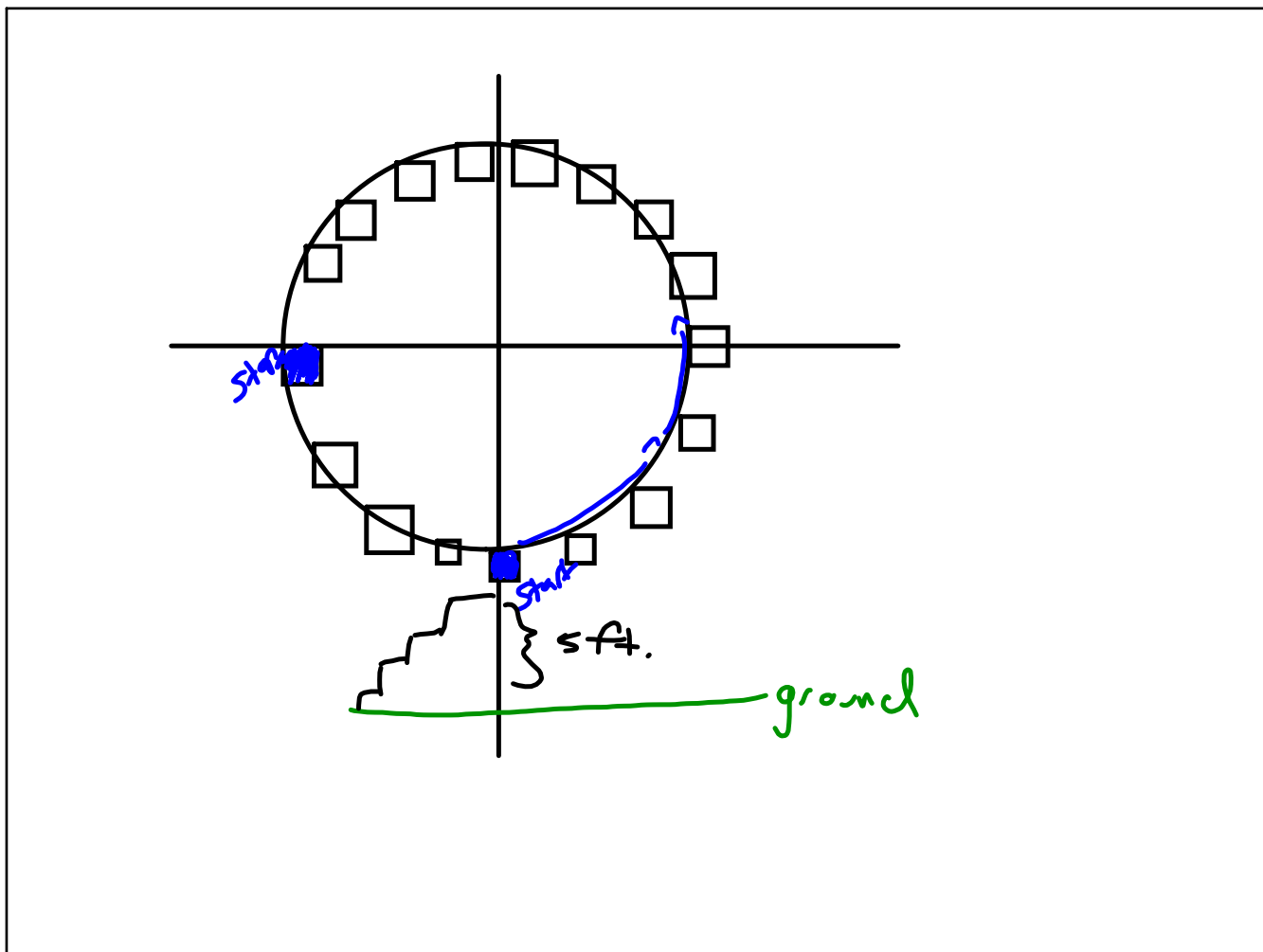
$$\frac{50}{2} = 25$$

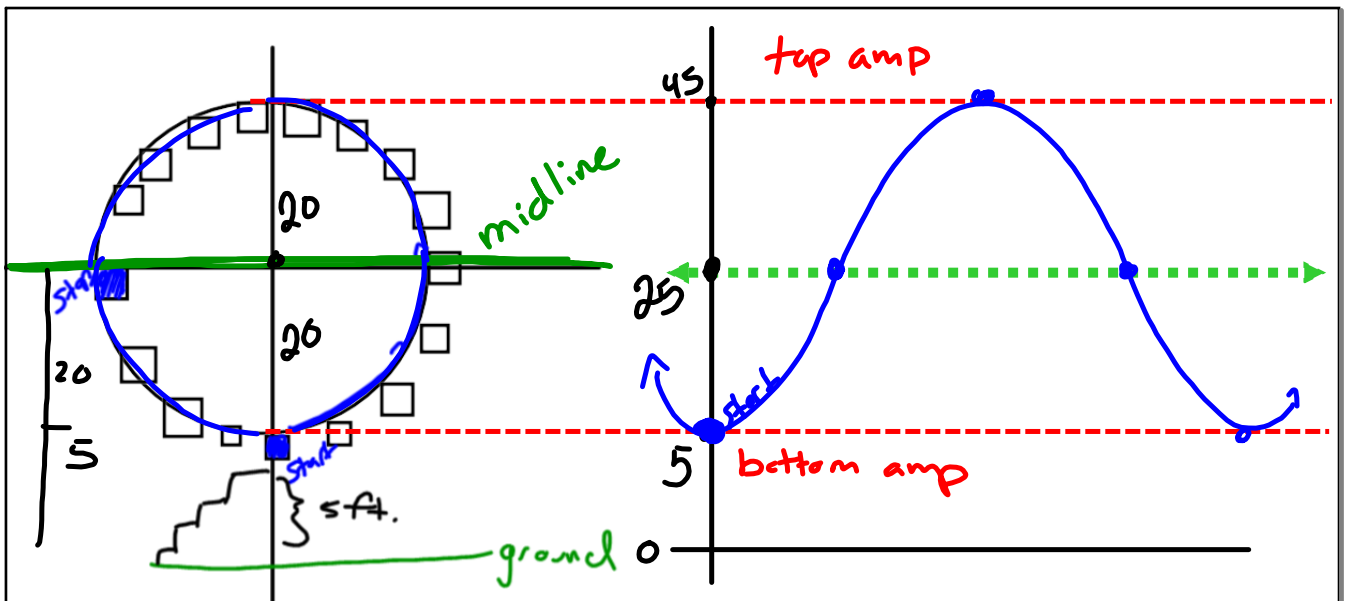
which trig function that would be graphed.



$$y = -25 \cos ( ) + 35$$





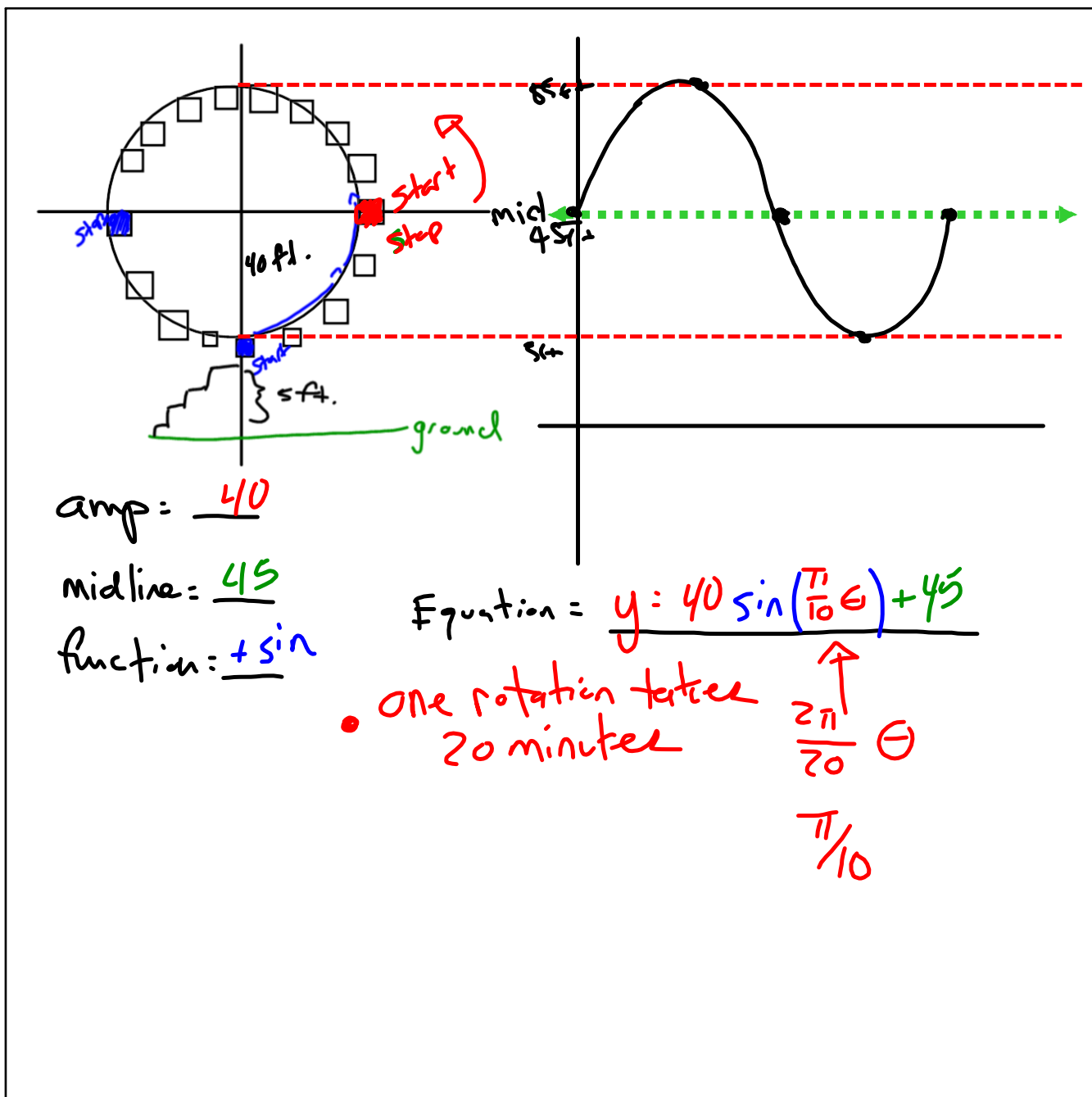


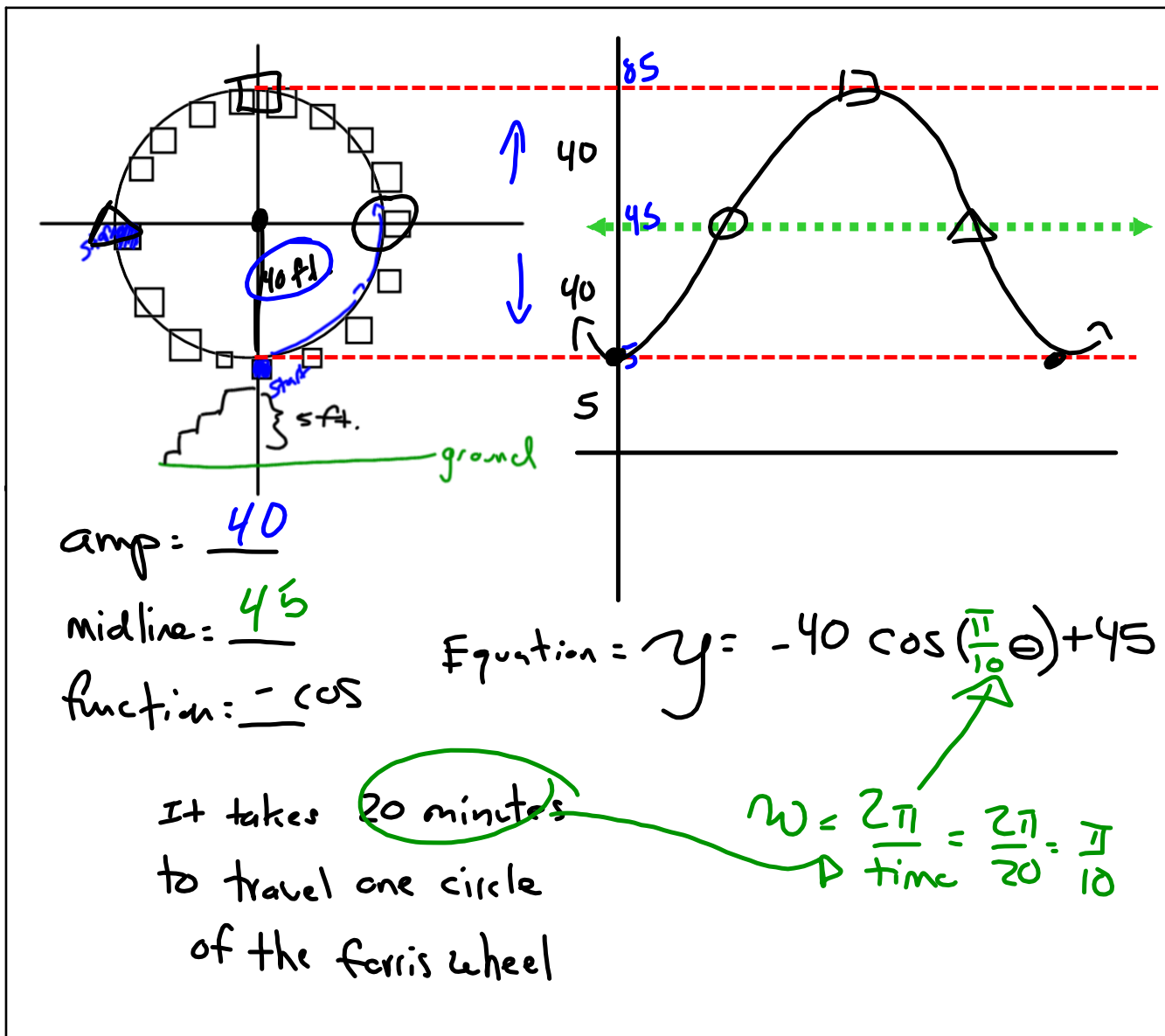
amp = 20  
 midline =  $y = 25$   
 function =  $-\cos$

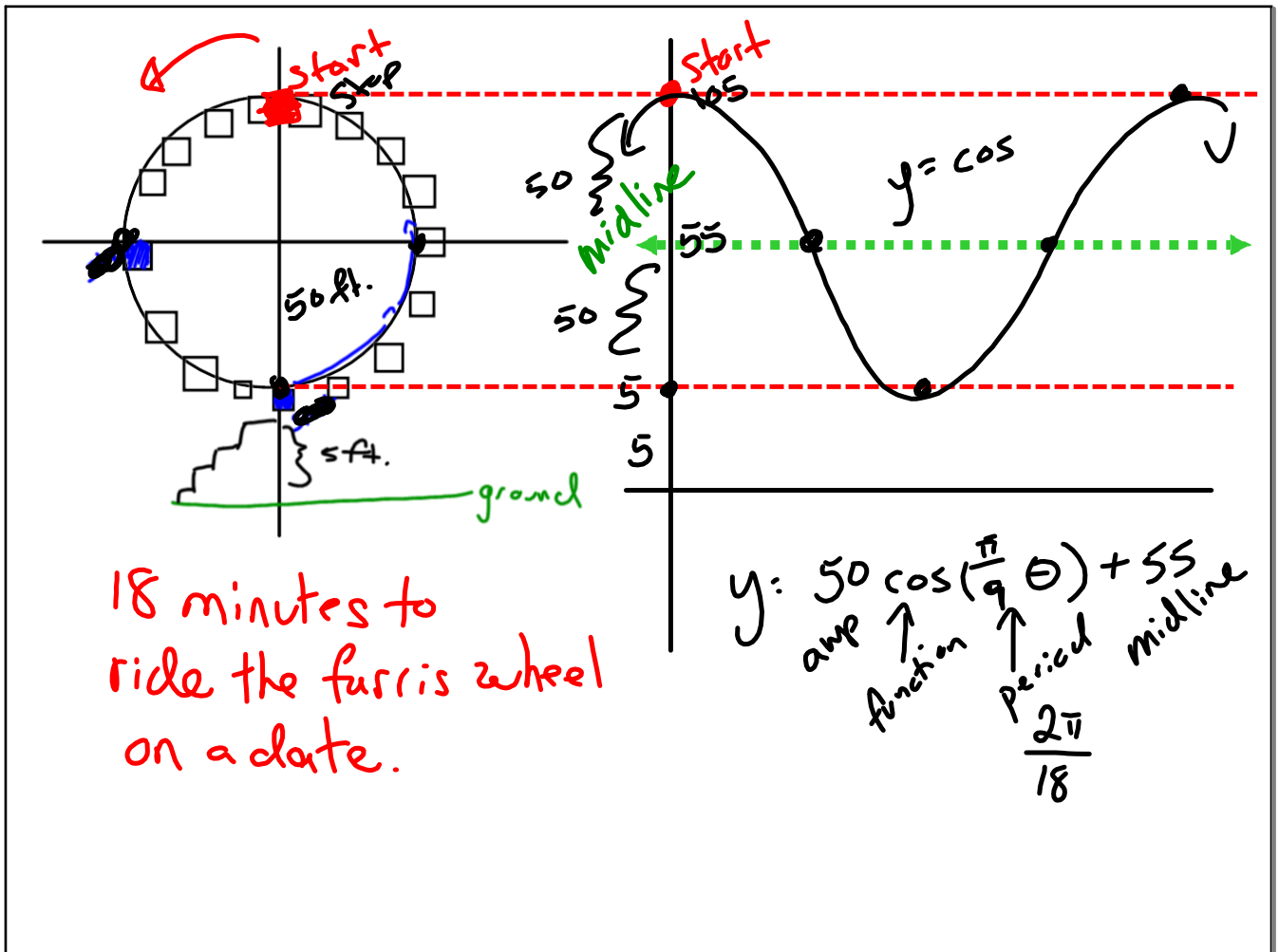
$$y = -20 \cos(\omega t) + 25$$

↑ period  
 the time it takes  
 to rotate one full circle

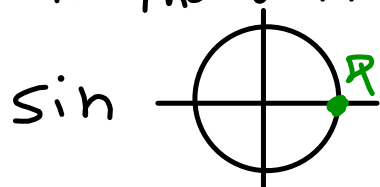




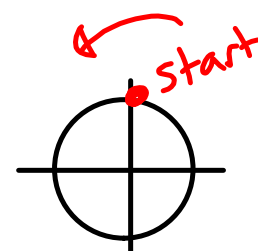




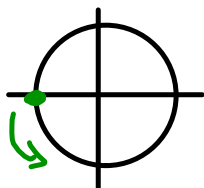
what is the difference between



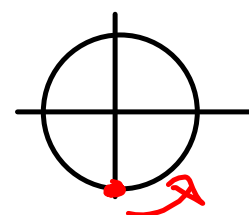
cos



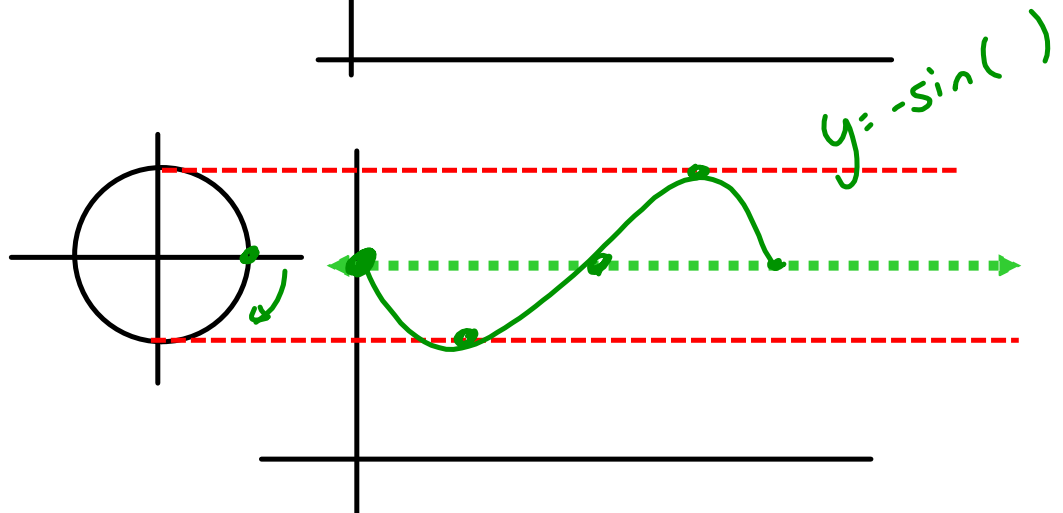
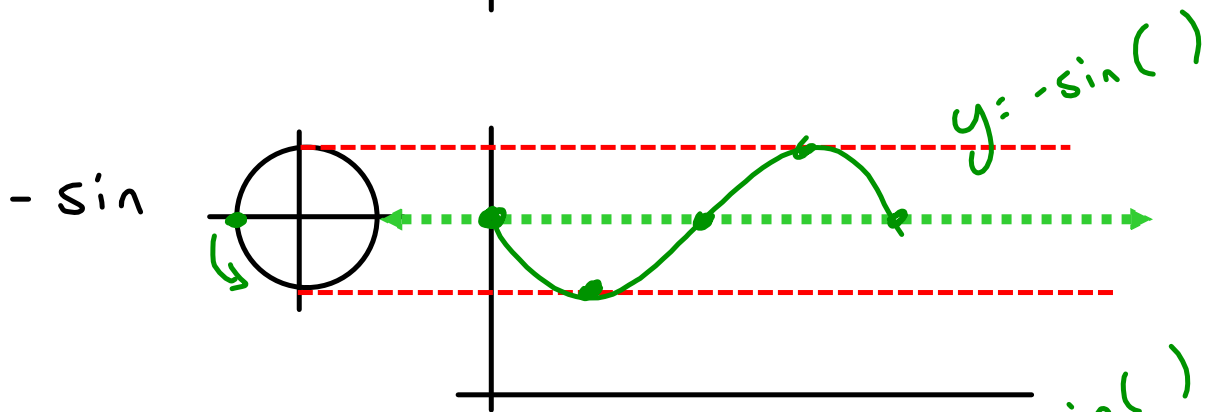
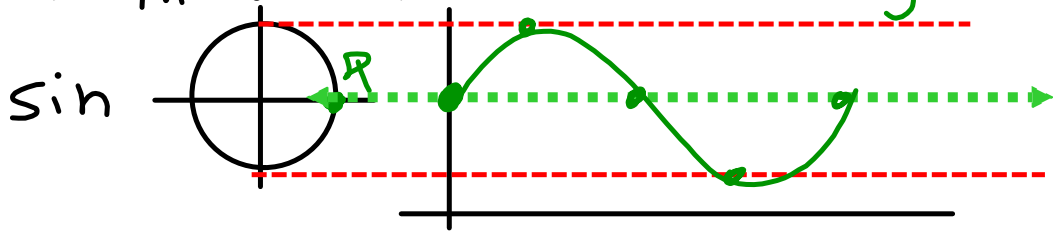
- sin

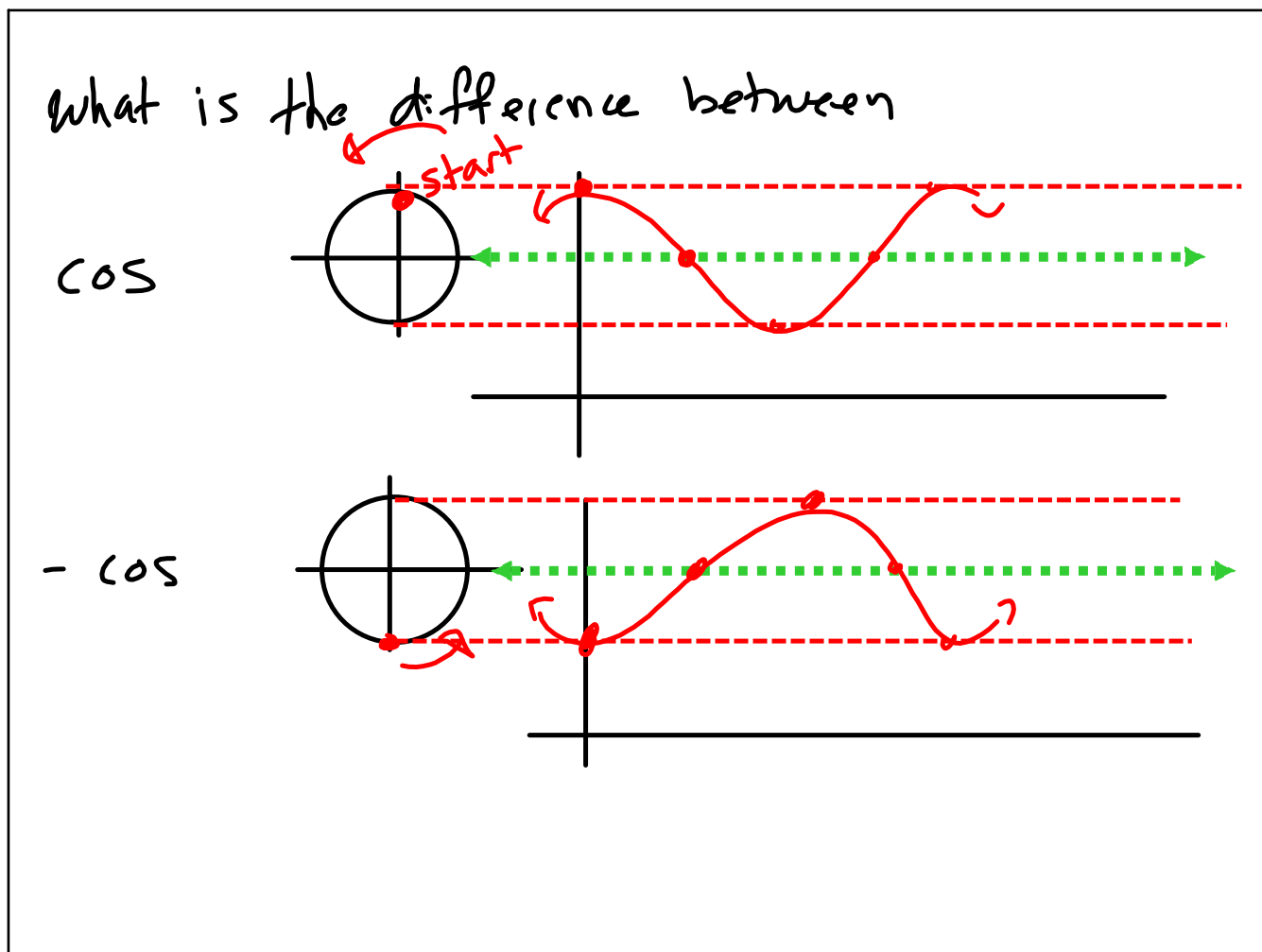


- cos

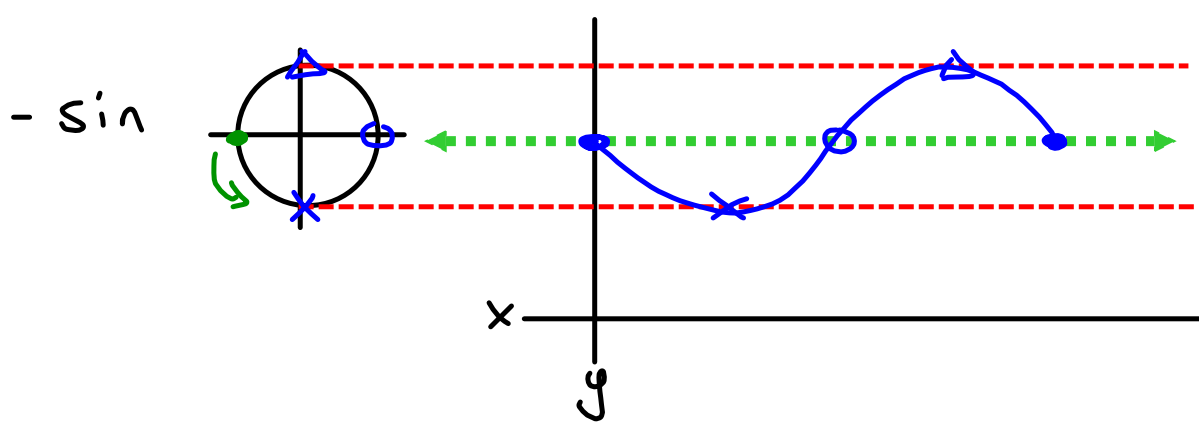
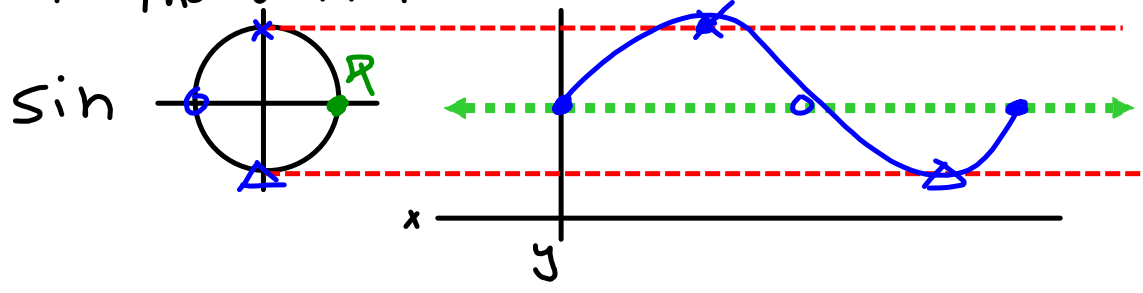


what is the difference between  $y = \sin(\ )$



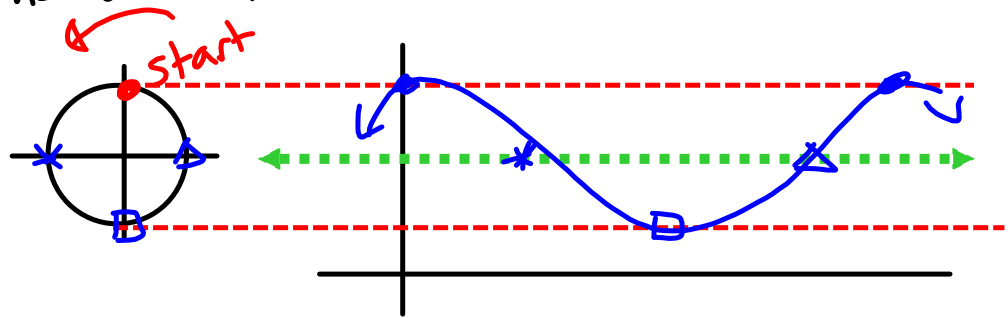


what is the difference between



what is the difference between

cos



- cos

