survey says your favorites are...

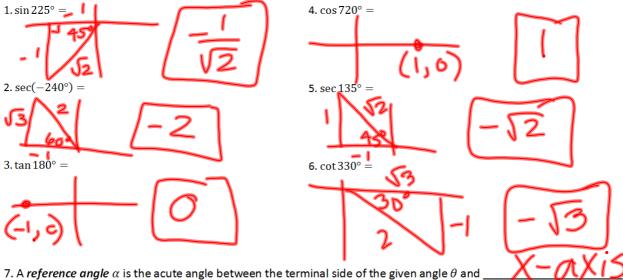
		<u>į</u>		
album		film		
ac/dc - black ice		avatar		
coldplay - mylo xyloto		avengers	9	
decyfer down - crush		batman: the dark knight rises	3	
eminem - recovery		battleship		
every avenue - bad habits		breaking dawn		
foo fighters - wasting light		harry potter and the deathly hallows pt. 2		
fun - aim and ignite		hunger games	4	
fun - some nights	2	inception		
gorillaz - plastic beach		mission impossible: ghost protocol		
imagine dragons	2	october baby	Ш	
incredibad - lonely island		promethius	Ш	
kimbra - cameo lover		scott pilgrim vs. the world		
lecrae - after the music stops		snow white and the huntsman		
lil wayne - the carter IV	2	super 8	Ш	
linkin park - living things		the devil's carnival	Ш	
mumford and sons - babel	2	the expendables 2	Ш	
mumford and sons - sigh no more		the perks of being a wallflower	Ш	
one republic - waking up		the vow	Ш	
one, true, god		wreck it ralph	2	
owl city - all things are beautiful		x-men: first class		
panic at the disco - pretty odd				
pentatonix - ptx vol. 1				
pink - the truth about love				
psy - gangnam style				
taylor swift - enchanted				
taylor swift - speak now				
the fray - scars and stories				
wale - ambition				
weird al - alpocalypse				

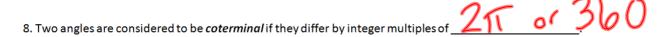
brewer's picks:

album: björk - biophilia (2011) (close 2nd: yip deceiver - self-titled ep)

film: moonrise kingdom (2012) (close 2nd: avengers)

Evaluate the trigonometric expressions. Give exact answers. You do not have to rationalize. Draw a picture if it helps.

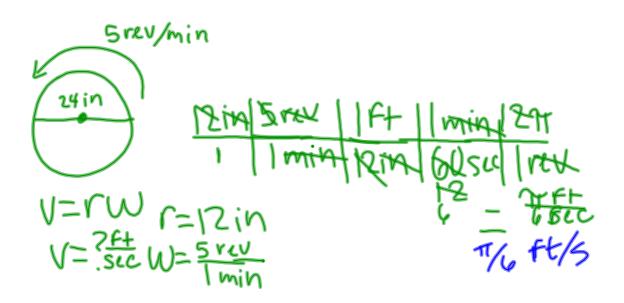




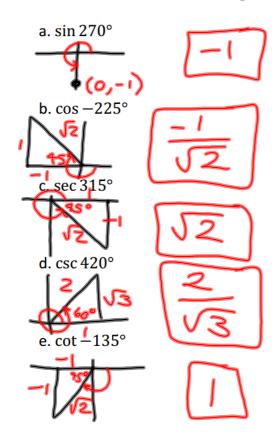
9. The function value of an angle is equal to the $\it cofunction$ value of its $_$

(from 2009 Test #1 on web site)

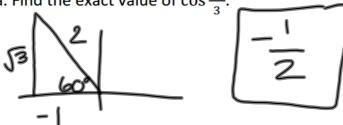
9. A wheel with a 24 inch diameter rotates at a rate of 5 revolutions per minute. What is the linear speed of a point on its rim in feet per second?



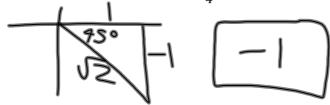
2. Find the exact value of the following.



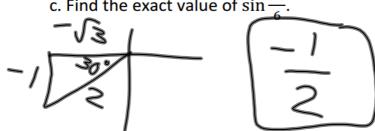
a. Find the exact value of $\cos \frac{2\pi}{3}$. 3.



b. Find the exact value of $\tan \frac{7\pi}{4}$.

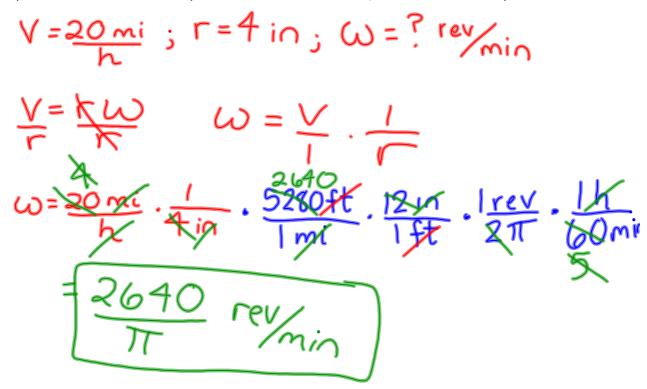


c. Find the exact value of $\sin \frac{7\pi}{c}$.

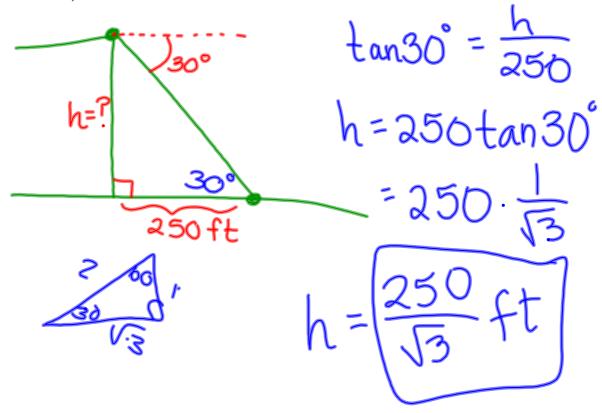


(From Test #1 Practice Problems, i.e. 2012 Fall Test #1)

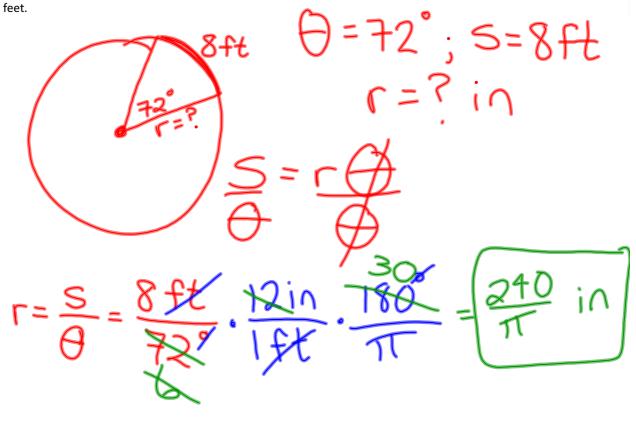
9. A child rides his tricycle at a rate of 20 miles per hour. If the diameter of the front wheel is 8 inches, find the angular speed of the wheel in revolutions per minute. Give an exact answer, in terms of π if necessary.

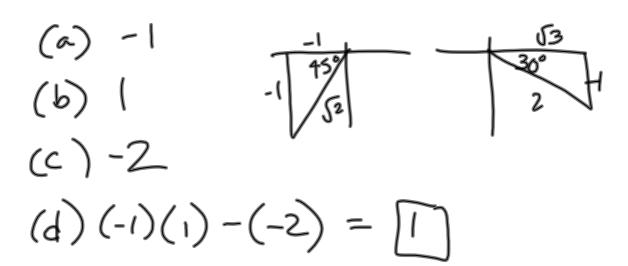


8. The angle of depression from the top of a cliff to an object on the ground is 30°. If the object is 250 feet from the base of the cliff, how tall is the cliff? Give an exact answer in feet.



10. Find the exact measure in inches of the radius of a circle with a central angle of 72° that subtends an arc of length 8





54

73
$$\Gamma = 13.37 \text{ in } V = 18.33 \text{ ft}$$
 $W = ? \text{ rev/h}$
 $W = 18.33 \text{ ft}$
 $W = 18.33 \text{ ft}$