

Jan 5-6:00 AM

Here $\frac{1}{2}$ $\frac{1}{2}$	methods were associated with the second sec	Questic	ons	
$\begin{array}{c} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\$	$ \begin{array}{l} (b) & \displaystyle \sum_{k=0}^{\frac{N}{2}} \frac{1}{2} + \frac{1}{2} \frac{1}{2} \\ & \displaystyle \sum_{k=0}^{\frac{N}{2}} \frac{1}{2} \\ (b) & \displaystyle \frac{1}{2} \frac{1}{2} \\ (b) $	ю м А.		
$\frac{1}{\sqrt{2}}$ $\Rightarrow -\frac{2\pi}{4}$ $\Rightarrow \frac{2\pi}{5}$ $\Rightarrow \frac{2\pi}{5}$ $\frac{\pi}{5}$	$\begin{array}{c} 0 & -\frac{2\pi}{3}\\ 0 & -\frac{2\pi}{3}\\ 0 & \frac{2\pi}{42}\\ 0 & \frac{2\pi}{42}\\ 0 & \frac{2\pi}{4}\\ 1 & \frac$	κ 14 4 4		
$\begin{split} & \omega - \frac{-1}{4} \\ & \omega \frac{3}{2} \\ & \frac{3}{2} \\ & \frac{5}{2} \\ & \frac{5}{5} \\ & \frac{5}{5}$	$\begin{split} (h) &= \frac{1}{12} \\ (h) &= \frac{3\pi}{52} \\ (h) &= 3$	ie ie 1. 0.		
$\begin{aligned} \frac{\pi}{3} \\ \frac{\pi}{5} \\ $	within the complement and is, $\frac{3\pi}{4}$. If, $\frac{3\pi}{2}$. The $\frac{3\pi}{2}$ of triangle corresponding to the actual angle 4. Use tilt the actual angle 4. Use tilt the actual south for trigosometric functions of 16, cot $\theta = 5$. The cos $\theta = \frac{3}{2}$. The $(z, w) = \frac{3}{2}$. The $(z, w) = \frac{3}{2}$. The $(z, w) = \frac{3}{2}$.	ке на ц.		
$\frac{1}{2}$ $\frac{1}$	16. $\frac{2\pi}{4}$ 18. $\frac{2\pi}{3}$ 24. triangle corresponding to 0 the acute angle 0. Use 10 the acute angle 0. Use 10 five trigonometric functions of 18. $\cot \theta = 5$ 12. $\cot \theta = 5$ 14. $\cot \theta = \frac{3}{4}$ 14. $\cot \theta = \frac{3}{4}$ 16. $\sin \theta = \frac{3}{4}$	не на 1.		
5 5 5 5 5 5 5 5 5 5 5 5 5 5	3 ght triangle corresponding to the the acute angle 0. Use the ermines the third side of the tri five trigonometric functions of 10. $\cot \theta = 5$ 12. $\cos \theta = \frac{5}{2}$ 14. $\cos \theta = \frac{21}{3}$ 16. $\sin \theta = \frac{5}{3}$	10 14 14		
$n \theta = \frac{2}{6}$ $c \theta = 4$ $n \theta = 3$ $a \theta = \frac{3}{2}$ ercises 57–62, use a m. Round your answe e calculator is in the c	10. $\cot \theta = 5$ 12. $\cos \theta = \frac{5}{7}$ 14. $\csc \theta = \frac{12}{4}$ 16. $\sin \theta = \frac{5}{8}$			
n 0 = 3 n 0 = ³ / ₄ ercises 57–62, use a n. Round your answe e calculator is in the c	14. $\csc \theta = \frac{14}{4}$ 16. $\sin \theta = \frac{5}{8}$			
ercises 57–62, use a n. Round your answe e calculator is in the c				
	calculator to evaluate each rs to four decimal places. (Be orrect angle mode.)			
sin 41° tan 18.5°	(b) cos 87° (b) cot 71.5°			
sec 42° 12'	(b) csc 48° 7' (b) sec 8° 50' 25"		Workbook Answers	
$\cot \frac{\pi}{16}$	(b) $\tan \frac{\pi}{8}$		1. 7.73 rad/min 3. 1441.94 rev/min	2. 12.99 radisec 4a. 14.29 m/sec
sec 1.54	(b) cos 1.25		5a. 5.25 cm/sec	4b. 211.6 cm/sec 6. 104.72 rad/sec
			7. 17.45 ft/sec	8. fastest - cutside
inear & Angular Spe wheel rotates 1.23 f the wheel.	revolutions per minute. Fir	d the angular speed i	n radians of a poin	10. 728.29 Novimen
etermine the angula sinute.	r speed in radians per seco	ind of a wheel turning	g 124 revolutions p	er
etermine the numbe	er of revolutions per minut	e of the wheel rotatin	ıg 151rad/s.	
etermine linear spee om the axis of rotati	ed of a point rotating at the	e given angular speed	at a distance (radi	us)
A) r=1.3m AS=3.	Srt red/s B) r=9.2cm	AS=23 rad/s		
etermine the linear arough an angle θ in A) r= 72cm θ=1.4r	speed of a point on a circle 1 min. Express answer in c 1 rad B) r=1.2 m	r units from the cen m/s. 0=250*	ter that moves	
an engine is making adians/sec.	1000rpm, what is the ang	alar speed of the engi	ine's crank shaft in	
Ferris wheel 250 ft near speed of a car i	in diameter makes one re- on the rim of the wheel.	volution every 45 seco	onds. Determine th	ie
large merry-go-aro astest ride? For the s	und is four horses deep. W lowest?	hat seat should a chile	d choose for the	
stronomy: A space t 80 mi from the eart 1ph. (the radius of th	elescope travels about the n's surface. It makes one or se earth is approximately 3	earth in a circular ort bit every 95 min. Fin 960 mi).	bit at a distance of d its linear speed in	a
car is moving at a s	peed of 65 mph. the diame radians per minute and fir 16-	ter of the wheels is 2 nd the number of rev	.5 ft. Find the angu olutions per minut	ilar B
	Inser 8. Angular Spi bubble instats 1.23 the winest. Stermibe the angular instance in the second state of the stermibe the angular instance in the second state of the stermibe the number of the second state of the stermibe the linear or the second state of the state of the short of the state of the short of the second state of the state of the short of the second state of the short of the short of the short of the short of the state of the short of the short of the short of the state of the short of the shor	Now 2 Jorgan's Speech V3 2 3 where shows a start of resolutions per minute. For the shows termine the angular speech in radiums per second minute. Termines the angular speech of a point ratations are near thermines the angular speech of a point ratations of the minute. A) $r=1.3m$ AS=3.5 refs/s () $r=9.2m$ termines the linear speed of a point ratation of a clock or angular bandle bit of the speech of the angular data () $r=2m$ () $r=9.2m$ termines the linear speed of a point ratation of a clock or angular bandle bit of the speech of the angular data () $r=2m$ () $r=9.2m$ () $r=9.2m$ termines the linear speed of a point ratation of the angular data () $r=1.2m$ () $r=9.2m$ () $r=9.2m$ () $r=9.2m$ () $r=9.2m$ () $r=9.2m$ () $r=1.2m$ () r	have 2 Angular Speech XD 81 when of class 1.21 revolutions per minute. Pind the angular speed the when: thermise the angular speed in radium per second of a wheel colution thermise the number of revolutions per minute of the wheel colution thermise the number of revolutions per minute of the wheel colution thermise the number of revolutions per minute of the wheel colution thermise the number of revolutions per minute of the wheel colution the said or indication. A) r-1.3m Ar-3.5m rad/s [0] r=9.2m Ar-23 rad/s thermise the linear speed of a point or a cick-r units from there only an angular In Tantion Decremons and the minute of the wheel A) r-1.3m Ar-3.5m rad/s [0] r=9.2m Ar-23 rad/s thermise the linear speed of a point or a cick-r units from there are grant/sec. (A) r=7.2m Ar-14m (B) r=9.2m Ar-23 rad/s thermise the linear speed of a point or a cick-r units from there are grant/sec. (A) r=7.2m (A) = 2.2m (A) = 2.2	$\begin{array}{c} h = 12 \\ h = 1$

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