Name_			_Hour	_ Color Chairs	Date
Format	ive Asse	ssment on Revolutions, Arc Measuremer	nt, Linear Spe	ed, and Angular Sp	eed
You ha	ve a pair	nt roller that has a diameter of 3 inches.	You push the	roller against the v	vall and it travels 1020°
1.	What is	the number of revolutions that the rolle	r has travelle	d?	
2.	What is	the measure of the angle in radians?			
3.	What is	the length of arc that the roller travelled	d? Give as an	exact answer as w	ell as an approximate answer
	15.1				
4.	-	aint on the roller was dispensed from the I (linearly)?	e beginning of	the motion, then	now far on the wall have you
5.	If it too	k you 10 seconds to perform this task, th	en state each	of the following	
	a.	Linear speed in inches per second			
	b.	Linear speed in feet per second			
	C.	Linear speed in feet per minute			
6.	If it too	k you 10 seconds to perform this task, th	an state each	of the following	
0.	11 11 100	k you to seconds to perform this task, th	en state each	of the following	
	a.	Angular speed in radians per second			
	b.	Angular speed in radians per minute			
		•			

7.			pulling a cart and the cart's wheel is 20 inches in diameter and you notice that the wheel is making 1.8 ions per second
	ć	а.	Determine the angular speed of the cart's wheel (leave answer in radians/second)
	I	b.	Determine the speed of the cart (give exact and approximate speed in inches/second)
	(С.	Determine the speed of the cart (give exact and approximate speed in feet/minute)

Name_			_Hour	Color Chairs	Date
Forma	tive Asse	ssment on Revolutions, Arc Measuremen	t, Linear Spe	eed, and Angular Spe	ed
You ha	ve a paiı	nt roller that has a diameter of 4 inches. Y	ou push the	e roller against the wa	all and it travels 822°
1.	What is	s the number of revolutions that the roller	has travell	ed?	
2.	What is	s the measure of the angle in radians?			
3.	What is	s the length of arc that the roller travelled	? Give as ar	n exact answer as wel	l as an approximate answer
		Ü			
4	lf tha m	aint on the roller was dispensed from the	boginning	of the metion then b	our for on the well have you
4.	•	aint on the roller was dispensed from the dilinearly)?	beginning (or the motion, then h	ow far on the wall have you
5.	If it too	ok you 15 seconds to perform this task, the	en state eac	h of the following	
	a.	Linear speed in inches per second			
	b.	Linear speed in feet per second			
	C.	Linear speed in feet per minute			
	-				
6.	If it too	ok you 15 seconds to perform this task, the	en state eac	h of the following	
	a.	Angular speed in radians per second			
	b.	Angular speed in radians per minute			

7.	revolut	re pulling a cart and the cart's wheel is 40 inches in diameter and you notice that the wheel is makin utions per second Determine the angular speed of the cart's wheel (leave answer in radians/second)	ng 4.8
	b.	Determine the speed of the cart (give exact and approximate speed in inches/second)	
	C.	Determine the speed of the cart (give exact and approximate speed in feet/minute)	

Name_			_Hour	Color Chairs	Date
Format	ive Asse	ssment on Revolutions, Arc Measurement	t, Linear Spe	eed, and Angular Spe	ed
You ha	ve a pair	nt roller that has a diameter of 6 inches. Y	ou push the	e roller against the wa	all and it travels 2872°
1.	What is	s the number of revolutions that the roller	has travelle	ed?	
2.	What is	s the measure of the angle in radians?			
		Ç			
3.	What is	s the length of arc that the roller travelled	? Give as an	exact answer as wel	as an approximate answer
4.	-	aint on the roller was dispensed from the dilunearly)?	beginning o	of the motion, then h	ow far on the wall have you
	paintet	a (iiileariy):			
5.	If it too	k you 45 seconds to perform this task, the	en state eac	h of the following	
	a.	Linear speed in inches per second			
	b.	Linear speed in feet per second			
	C.	Linear speed in feet per minute			
		·			
6.	If it too	k you 45 seconds to perform this task, the	en state eac	h of the following	
	a.	Angular speed in radians per second			
	h	Angular speed in radians per minute			
	Б.	Angular speca in radians per minute			

7.		e pulling a cart and the cart's wheel is 60 inches in diameter and you notice that the wheel is making 5.8 tions per second
	a.	Determine the angular speed of the cart's wheel (leave answer in radians/second)
	b.	Determine the speed of the cart (give exact and approximate speed in inches/second)
	C.	Determine the speed of the cart (give exact and approximate speed in feet/minute)

Name_			_Hour	Color Chairs	Date
Forma	tive Asse	ssment on Revolutions, Arc Measurement	t, Linear Spe	eed, and Angular Spe	ed
You ha	ve a paiı	nt roller that has a diameter of 8 inches. Y	ou push the	e roller against the wa	all and it travels 1242°
1.	What is	s the number of revolutions that the roller	has travell	ed?	
2.	What is	s the measure of the angle in radians?			
2	\\/h a + :	a tha clayeth of aya that the yelloy two yello	2 Civa aa a		
3.	vvnat i	s the length of arc that the roller travelled	r Give as ar	i exact answer as wei	as an approximate answer
4.	-	aint on the roller was dispensed from the dilinearly)?	beginning o	of the motion, then h	ow far on the wall have you
Е	If it too	uk you 50 sacands to norform this tack, the	on state eas	h of the following	
5.	11 11 100	k you 50 seconds to perform this task, the	en state eac	n of the following	
	a.	Linear speed in inches per second			
	b.	Linear speed in feet per second			
		·			
	C.	Linear speed in feet per minute			
6.	If it too	k you 50 seconds to perform this task, the	en state eac	h of the following	
	a.	Angular speed in radians per second			
	b.	Angular speed in radians per minute			

7.	revolut	e pulling a cart and the cart's wheel is 80 inches in diameter and you notice that the wheel is making 6.8 tions per second Determine the angular speed of the cart's wheel (leave answer in radians/second)
	b.	Determine the speed of the cart (give exact and approximate speed in inches/second)
	C.	Determine the speed of the cart (give exact and approximate speed in feet/minute)