Honors Phy	sics Ch 7	Part 1 Study She	eet	Name	# <b>:</b>		
	Draw a pictu	re, list your given in	formation a	nd unknowns for each	problems		
of	on a carousel at a distance of m from the center and rotates through an arc lengt m. What is the angular displacement of the child?  Given Info Formula Set-Up with Units						
				Answer _			
l) A grinding v	wheel initially	at rest with a radius	of1	n rotates until it reach	es an <b>angular speed o</b>		
	_ rad/s in Given Info			ge angular accelerati vith Units	one		
				Answer _			
	angular displ			ar speed of r nat is the Ferris whee			
				Answer _			
				ce the formula and S et-Up with Units			
u)							
)							
e)							
i)							
7) Fill in the Given Info	unknown qua	antities in the follow Formula		ce the formula and S et-Up with Units	et-up on the line.		
u)							
o)							
:)							
4.							

3) Fill in the Given Inf		ntities in the fol Formula		ce the formula and Set-up on the line. et-Up with Units
u)				
o)				
•				
The diame	eter of the out	ermost planet, Pl e, what would be	luto, is	<b>km</b> . If a space probe were to orbit Plu <b>of the probe's displacement</b> after it had
	Given Info		Set-Up w	rith Units
				Answer
	<b>cm</b> . Suppos rad/s	se this bicycle is <b>a</b> c	ccelerated from ngular speed o	and had a length of less than <b>n rest</b> so that the angular acceleration of the <b>if the wheels after s</b> ? <b>rith Units</b>
				Answer
the former  o slop decelerating a) Cal	Soviet Union.  The when the driving at a rate of _  Iculate the force	The car had a mayer applies the bram/s². e of kinetic friction	ass of <b>k</b> kes. The whee	
Orawing	Given Info	Formula	Set-Up w	rith Units
b) Do	etermine the va <b>Given Info</b>	llue of the coefficie <b>Formula</b>		Answeriction.
				Answer