2	20-R-IM-DK-2	1					
Ju	ine 29, 2020 8:26 PM	N					
ſ	Beginner	Principle	of I	mpulse and	Moneutum		
	Inspiration:	Hibbeler	20.52	6			
			A	lo kg di	sk with radius	r= 0.3m is	Subjected to a
		100	h	Jo famo	5 N·m and a	force of 10	N which is applied
		() F	p4	a cord m	nathey wier	d the disk.	Determine the angular
		\bigvee	ve	elocity of	the disk after	3 seconds	if 1'c disk starts at
			Ce	st. Find th	e reaction fo	nces in the p	in.
		I6 = =	ml2 =	£ (10)(0:	3 ²) = 0,45		
				nt,			
		M VGX	+ 2	fr dt =	= MVGKz		
				(2) - 0			
		U	+ A _x	(3) = 0		A _K = 0	
				re			
		m Vey,	1 2	Fy de	= WVGYZ		
		0 + A.	।(३) -	10(9.81)(3) - 10(3) :	= 0 A.	1 = 108.1 N
			,-	ري			
		I G W,	+ 2	1 " We g	t = Icwa		
			- 455				
		0 *			.3)(3) = ().45 Wz	
			W ₂ =	53.33 c	dls		