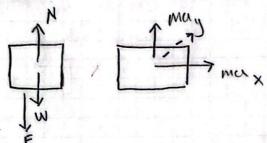
Problem: Ferris Wheel

- A) speed of the person
- B) Normal Force at point A
- at point A.

Represent:



Organize: 777N person

r = 8.9 m constant angular speed. FN = 960 N.

Solutions:

A)
$$N = m(g+a)$$

= $960N = 777(981 + a) 71/2 m/2$
 $L_1 960N = 777N + 79.2$
 $183N = 79.2 a$

$$a = 7.31$$

$$a = \frac{\sqrt{2}}{\Gamma} = 2.31 = \frac{\sqrt{2}}{\Gamma q} = 4.53 \text{ m/s}.$$

	3-12-	2	11/22/22		Isaac Abella.
	Problem: Pumphin Swing. A: Find linear speed of the WBP at the highest point of the circle? B: A cut a horizontal speed of 3.947 m/s, what's the magnitude of the tension in the string?				
)n	ineer sp the ci 230	rcle if the t	NBP at lasion	the lowest point in the string
	Represe	, F :	<u>K</u>	Organiz	Le in = 33N
	1	•		vadi	us = 40 cm
			ù	tensi	101 = 32N
	w				
	Solution Solution A:) Ftension + W = man man = 68/16.24				
	A') '	tension !	1 22 M - Mai	n	= 14.32 ,= a
			1 + 32W = man	1	$= \frac{V^2}{r} = 14.2 = \frac{V^2}{40}$
		COLUMN CO	2.21.		
		1	2:77 m/s.		= 27.7
	B) 3.9472/,40cm = 38.9 m/s2				
			T= ma = 3		3.36
			= 130.7		
		22.6			V 2
	(C)) - W = MC1	5	8.93 = -40
			96 = 3.3 6		= 4,855 m/s
	Mari Mari of	-	= 59,93	= 0.	(7, 65) M/S