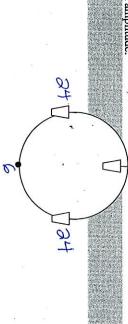
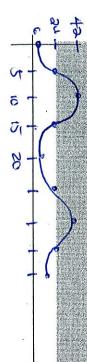
ground. You make two rotations in 40 minutes. Make a table and graph the function. Find the midline and amplitude. A ferris wheel is 36 feet in diameter and boarded from a platform that is 6 feet off the



F(t)	H
6	0.
4	CI
to the	ō
46	S
6	20
76	S
な	30
76	35
0	5

Graph the ferris wheel function.



from middle

Amplitude = 18

and represents

Midline = U=Q4

Period =

Con and represents

on ride

Write a cosine function to model this curve:

N=18 COS(100-11)+24

5	17	3/2
	11	0)
	W	Õ

A ferris wheel is 36 feet in diameter and boarded from a platform that is 6 feet off the ground. You make two rotations in 40 minutes. Make a table and graph the function. Find the midline and amplitude.

	N.	
The second secon		

Graph the ferris wheel function

F(t)

	Amplitu
•	de =
	and
	represents

Period = and represents Midline =

Write a cosine function to model this curve:

A Ferris wheel with diameter 42 feet completes 2 rotations in 60 minutes.

F(t)	H
+	0
25 46 25 4	7.5
34	
200	15 82,5 30
+	30
25	37.4
35 46 35	5
25	37.15 45 535 60
+	60

Amplitude = 2 and represents paint from middle of Graph the function. and represents time it takes

から

5=0

87.8

7.5 15 27.530

Write a sine function to model the graph  $y = 34 \text{ Sin} \left(\frac{1}{15}\theta - \frac{1}{2}\right) + 35$   $y = -31 \text{ Sin} \left(\frac{1}{15}\theta - \frac{31}{2}\right) + 35$ Write a cosine function to model the graph

以=-21 Cos (景中-か) tas

15.7 = 7.5 =

A Ferris wheel with diameter 42 feet completes 2 rotations in 60 minutes.

		Grajo	Period =	Midline =		F(t)	H	ě
		រាញ់ពី មិត្តទ	ľ	(e	-			
		dion	<u> 1</u>					
			and represents	and represents				
			resent	sents				
					_			•
				- 1			# 20 cm	
				1		-		5.*
				$\Box$			=	
,								

Write a sine function to model the graph

Write a cosine function to model the graph