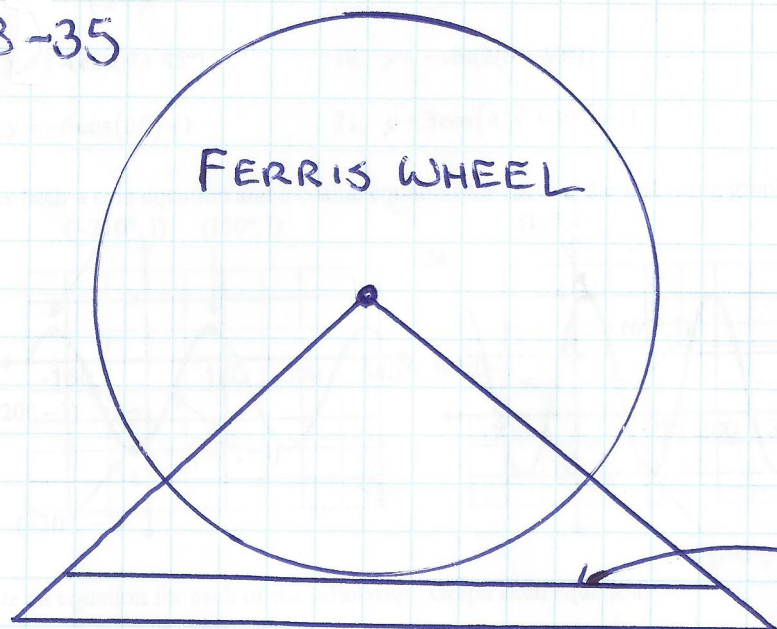




#28 TO 37 2CP

28-35



HINT:

WINDOW

XMIN : 0  
XMAX : 60  
XSC1 : 5  
YMIN : -10  
YMAX : 60  
YSC1 : 10

LOADING PLATFORM

Height on FERRIS WHEEL "MODELED"  
by EQUATION  $h(t) = -20 \cos(9t) + 25$   
 $\uparrow$   
x value

36 & 37

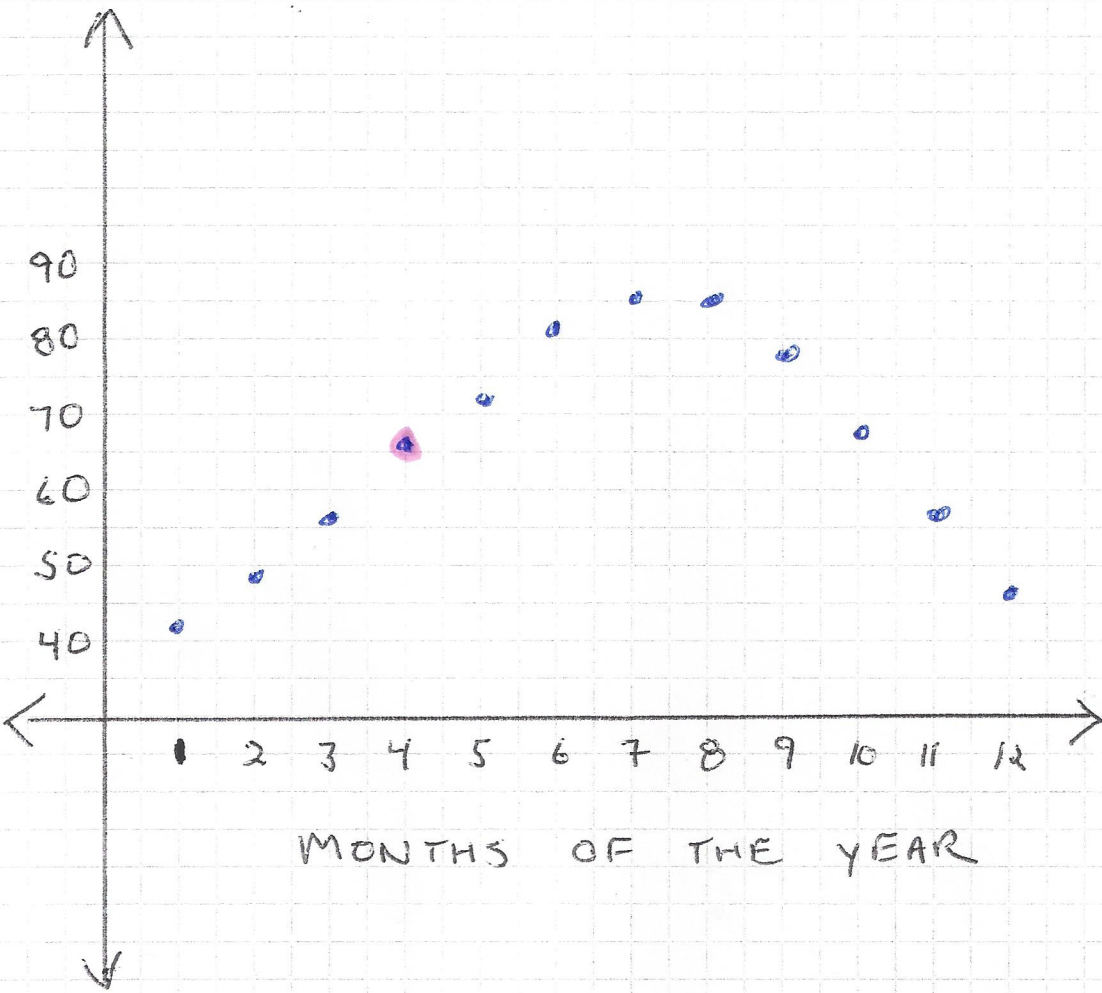
List ONE - Months  $\{1, 2, 3, \dots, 10, 11, 12\}$

List TWO - Temps  $\{43, 48, \dots, 56, 47\}$

MAKE A SCATTER plot

Fit SIN & COS FUNCTION TO IT

MEAN  
MONTHLY  
TEMP




MONTHS OF THE YEAR

$$D \equiv \frac{\text{MAX} + \text{MIN}}{2} = D$$

$$A \equiv \frac{|\text{MAX} - \text{MIN}|}{2} = A$$

$$B \equiv 360 / B = \text{PERIOD}$$

$$360 / \text{PERIOD} = B$$

C :  FOR THE  
POINT closest to  
D