HW-1-2:

Thurst 154 chira T (184) ≈ 81.5

② $f(t) = -16t^2 + 64t$; t(-16t+64) = 0give at 0 and 4

midpoint b/w 0 $e^4 = 2$ $f(z) = -16(2)^2 + 64(2) = 64$ given time: It and lec

(4) Find the equation: $f(u) = A \sin(Bu)$ A = 6 because amplitude= 5 P(1817,0); $0 = 5 \sin(1817B)$ exil(0) = 1877B then exil(0) = 1877B then $exil(0) = 5 \exp(\frac{1}{4}u)$

Final equation: f(n) = Acos(Bn) + C A = 4 highest-lowest/2 = 8/2 = 9 C = 6 : middle+lowest = 4+2 = 6 Puriod id π then f(n) = -4cos(n) + 6

6 Find equation: P(0,24) $f(n) = a_3 x^2 + a_2 x^2 + a_1 x + a_0$ equien points: $-2m^2 \xi 2m1$ $f(n) = A(n+2)^2(n-2)$ $a_4 = A(2)^2(-2)$ $a_4 = A(2)^2(-2)$ $a_4 = A(2)^2(-2)$ $a_4 = A(2)^2(-2)$ $a_4 = A(2)^2(-2)$

motching the graphe: Baric and & matching graph

3 Find frequency & amplitude: f(n)=5zcos(6πwt) where amplitude:5z and frequency:3ω