7.
$$g(x) = x^3 + 1$$

$$3'(x) = 3x^2$$

 $3''(x) = 6x$
 $5'''(x) = 6$

$$5(x) = g(0) + g'(0)(x-x) + g''(0)(x-x) + g'''(0)(x-x)$$

$$g(x) = 1 + 0 + 0 + \frac{6x^3}{6} = 1 + x^3$$

8. f(t) = 1+ jin(t) > 013 funtion prival P=2TT

f(t) ~ ho + & An in (27 mt) = ho + & An in (nt)

in this cre, let do=1 and di=1, dn=0 for no1

Han f(t)~ 1+ jin(t) is am jouris raise (f(t) is its awn femine min