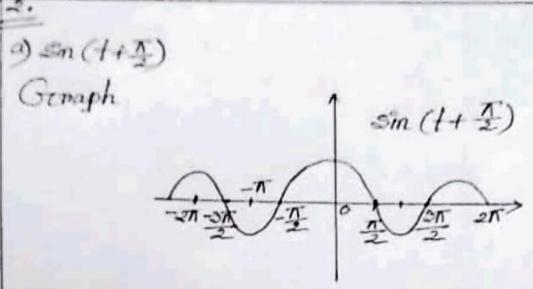
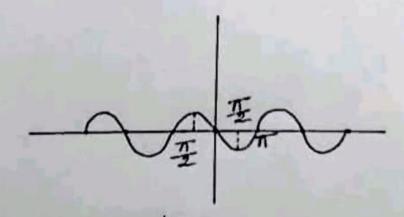
Assignment -3
SDC Tutorial
Name + Cushar Rathi
Scholer 17:- 2012174
CSF Section B.



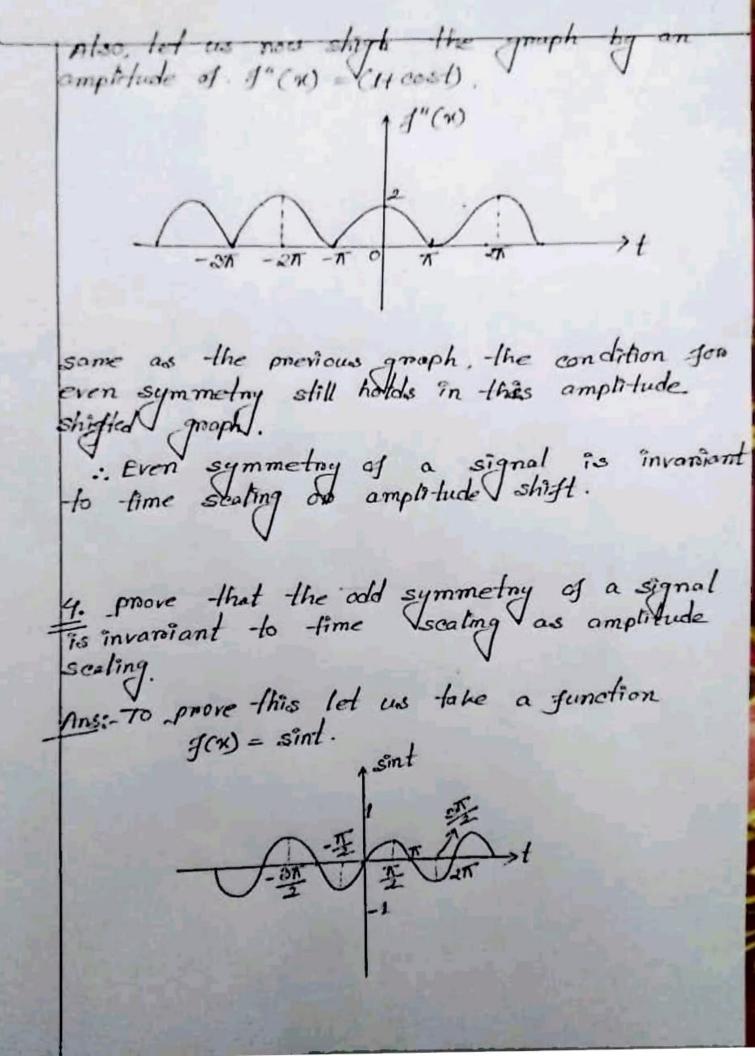
about y ans.

if (x) is even function.



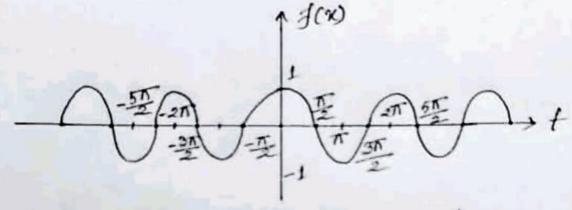
from the graph

.. f(x) is netther odd non even function.

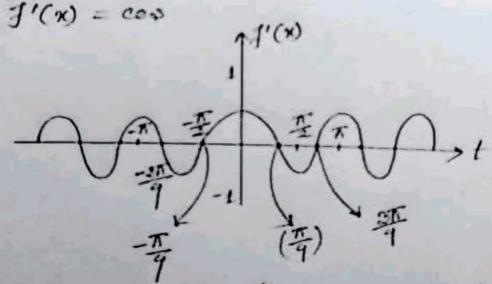


is invarient to time sealing q on amportude shirt.

Ans: To prove this lest us take an example

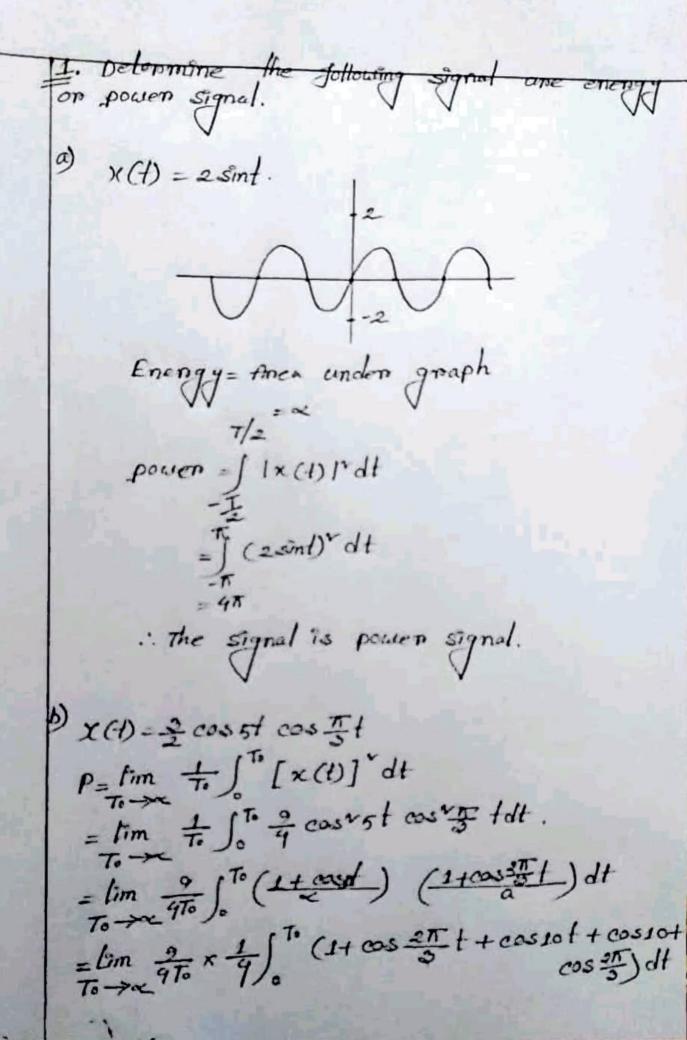


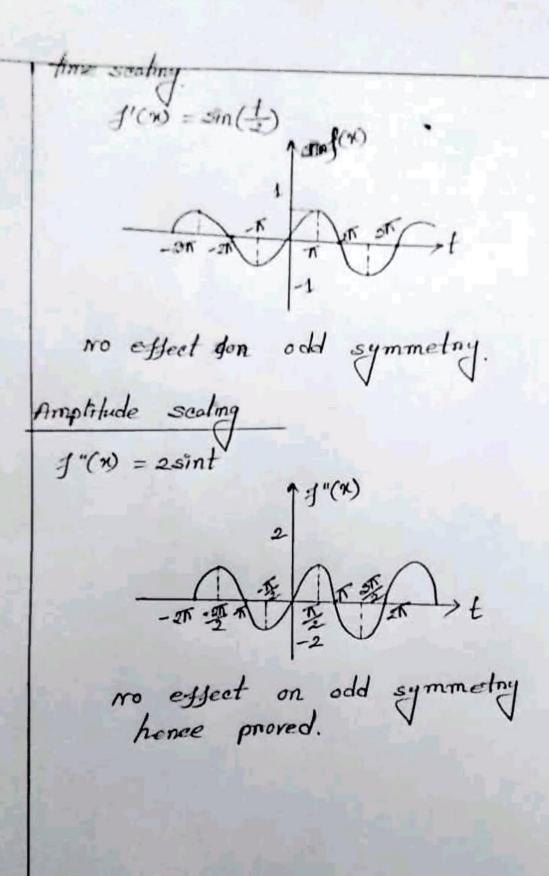
Now let as scale this graph.



as we can see from the new grouph the condition for even junction is still satisfied for the second grouph.

:. Time seating has no effect on even symmetric of the function.

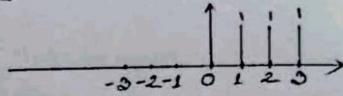




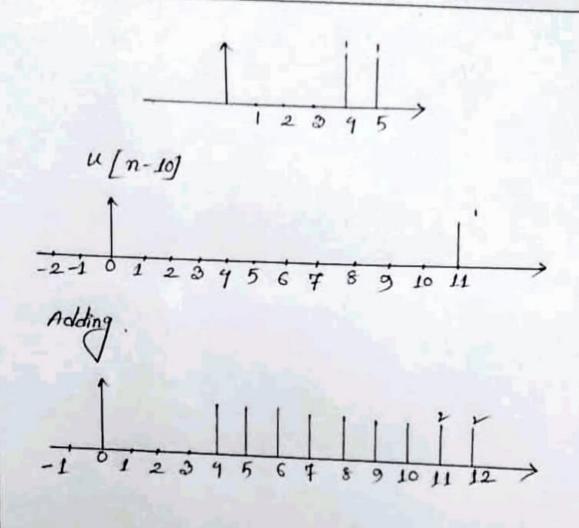
$$= \lim_{T_0 \to \infty} \frac{9}{10T_0} \left[ T_0 + \frac{3}{2T_0} \sin \frac{2T_0}{3} T_0 + \frac{\sin (10+\frac{2T_0}{3})}{10} + \frac{\sin (10+\frac{2T_0}{3})}{2(10+\frac{2T_0}{3})} + \frac{\sin (10-\frac{2T_0}{3})}{2(10-\frac{2T_0}{3})} \right]$$

$$= \frac{9}{16} + \text{finite number}$$

o) 
$$x[t] = u[n-2] - u[n-10]$$
 $u[x]$ 



u[n-3]



since the amplitude is limit at to any instant

: x[1] is power signal.