Ex. 19. A) Sing, Find =
$$\int_{0}^{\pi} \frac{1 \sin(t n)}{t} dt$$

ent définie.

Plus fix to constituel par définix en o.

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fre est untime due of fre existe: onla unte F(11).

abus de notize: of fre est encome notée of fre. 2) Papel: si Y, Y st 2 frakus dévalles, et f while Soit: F(x) = plui fittet. Alox Fest advasle et Fin = Winf(Win) - Yinf(Vin). $\frac{1}{1} = \frac{1}{1} \frac{|\Delta h(t_{11})|}{t} = \frac{1}{1} \frac{|\Delta h(t_{11})|}$ $=\int \frac{|S \cap u|}{u} du = \int \int (u) du$

Fat divide at
$$\forall x \in \mathbb{Z}_{+}$$
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$$F(x) = \pi \times f(\pi x) = \pi \times f(\pi x) = \pi \times f(\pi x)$$

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$$= \frac{\left| \int \sin \left(\prod n \right) \right|}{n} \int di \, \lambda = 0$$

$$\frac{1}{3} = \frac{1}{4} = \frac{1}$$

relation de Charles:
$$F(x) = \int_{x=0}^{|x|} \frac{|x|}{|x|} \frac{|x|}{|x|$$

$$= \frac{1}{(k+1)^{T}} \int_{0}^{\infty} \int_{0}^$$

Finde: F est en cadrer par 2 fisher égulieles.

= 2 line gd n - 1 tr, dc: F(1) 2 line.

The gd n - 1 tr, dc: F(1) The Thire.