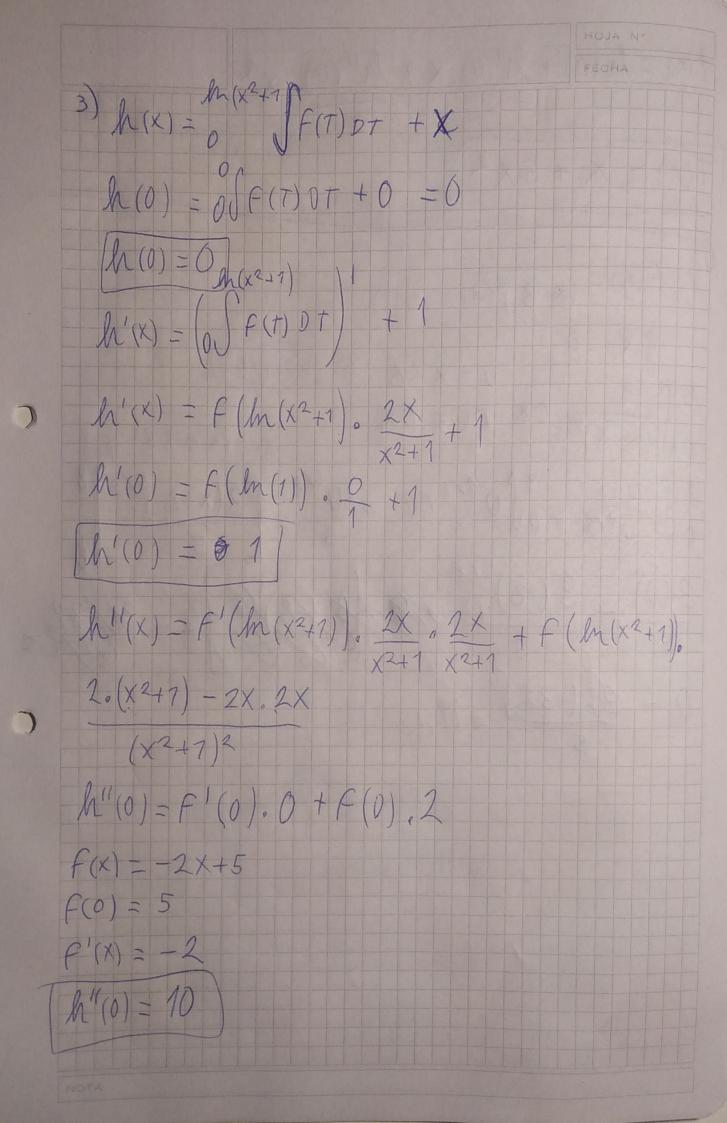


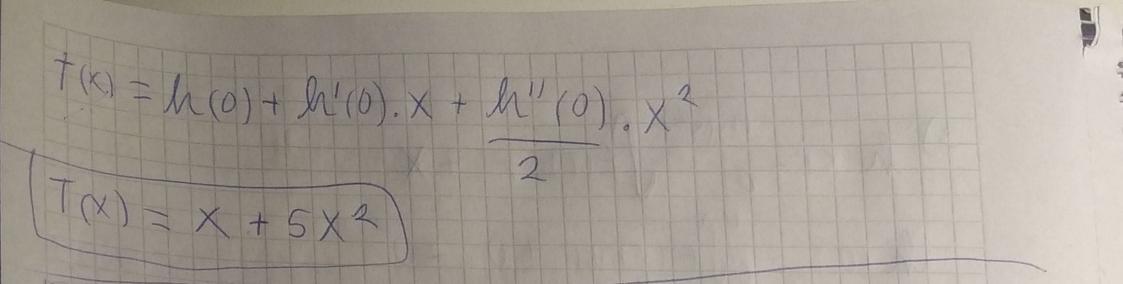
2) AREA SUTES CURVAS
$$f(x) = \frac{1}{2} \times + 2$$

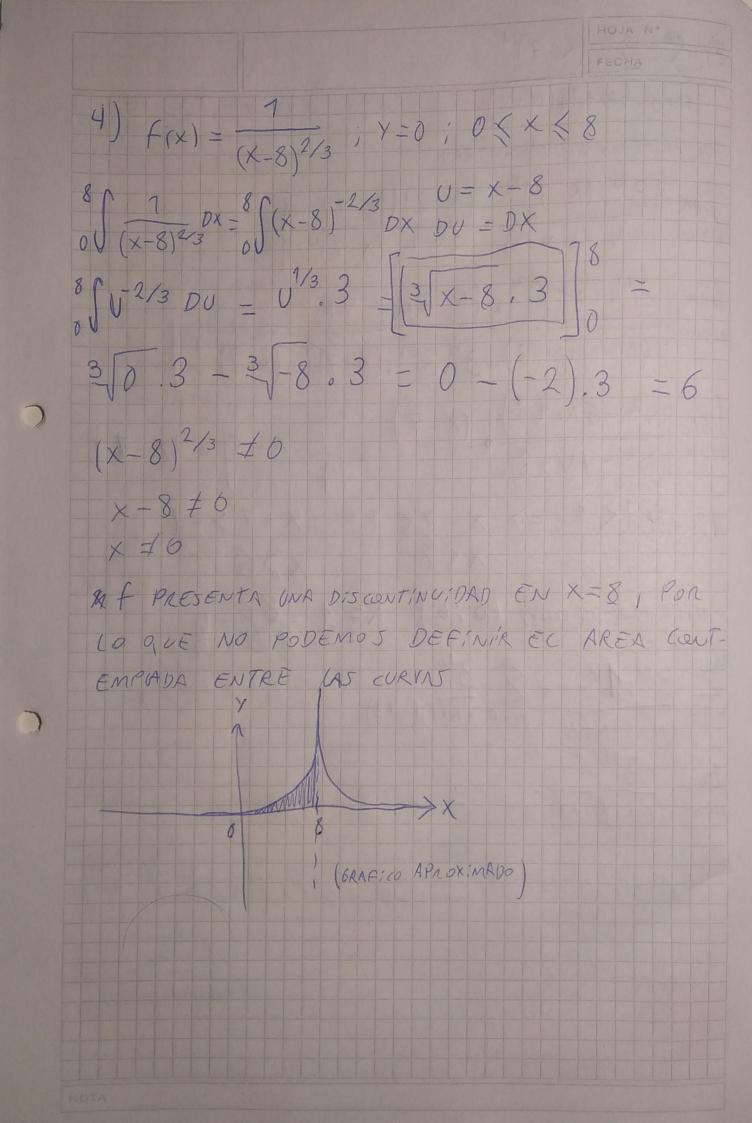
$$f(x) = \frac{1}{2} \times + 2 = |x-2|$$

$$f(x) = |x-2|$$

$$f(x)$$







5) = 3". (x-7)" N=0 (N+1)(N+3) POR CRITERIO DE D'ACAMBERT  $\lim_{N\to\infty} \frac{3^{N}}{(N-7)(N-3)} \cdot \frac{(N-2)(N-4)}{3^{N-1}} = \frac{1}{(N-7)^{N-1}}$ lm 30. (x7), (N-2)(N-4) (N-1)(N-3). 2×3-1. (X-7)-1  $lm \left( N^2 - 6N + 8 \right) (x - 7) = 1 \cdot x - 7$   $N \to \infty \left( N^2 - 4N + 3 \right)$ . <1 => x-7<1 ", NTERVALO DE CONV: (8;6) R=1 = 8-6=7

ANACIZO CV. EN SERIE 5 3N (-1)~ con terminos EN VAL. ABS N=0 (N+1) (N+3) § 3 N N=0 (N+1)(N+3) lim 3°, N, (N+2) . N3+2N 3".3". (N+1) (N+3) 73. N2+4N+3 LA SERIE DIVERGE  $X=8 \approx 3^{N} \cdot (8-7)^{N} = \frac{3}{2} \times 3^{N} \cdot 1^{N} = \frac{3}{2} \times 3^{N}$ lim 3 N. (N+2) 3. N. (N+2) = lim 23N2+BN = N>0 N2+4N+3 LA SERIE DIVERGE INTERVACE DE CONVERGENCIA X € (6,8) (SIN WS EXTREMOS 6 Y 8) R=1