Shophin indian,
$$2$$

$$f'(i) = \cosh(i) := \frac{e' + e^{-i}}{2}$$

$$f''(i) = \frac{e^{i} + e^{-i} + e^{-i}}{2}$$

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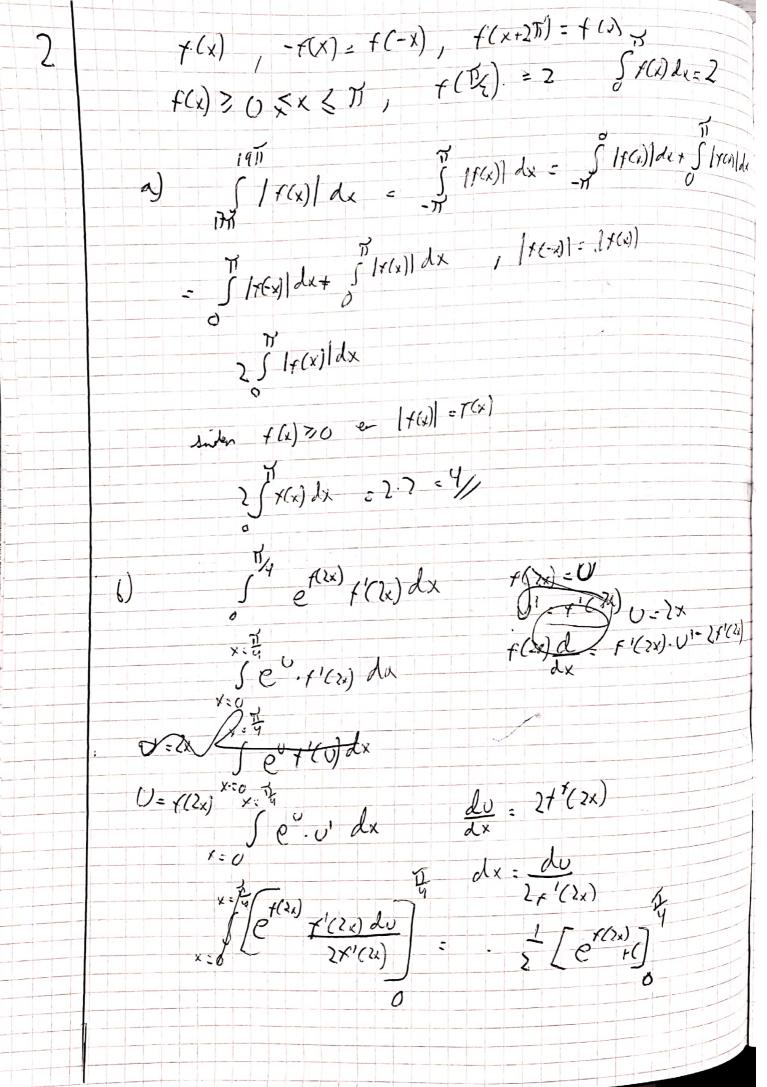
$$f''(i) = \frac{e^{i} + e^{-i} + e^{-i}}{2}$$

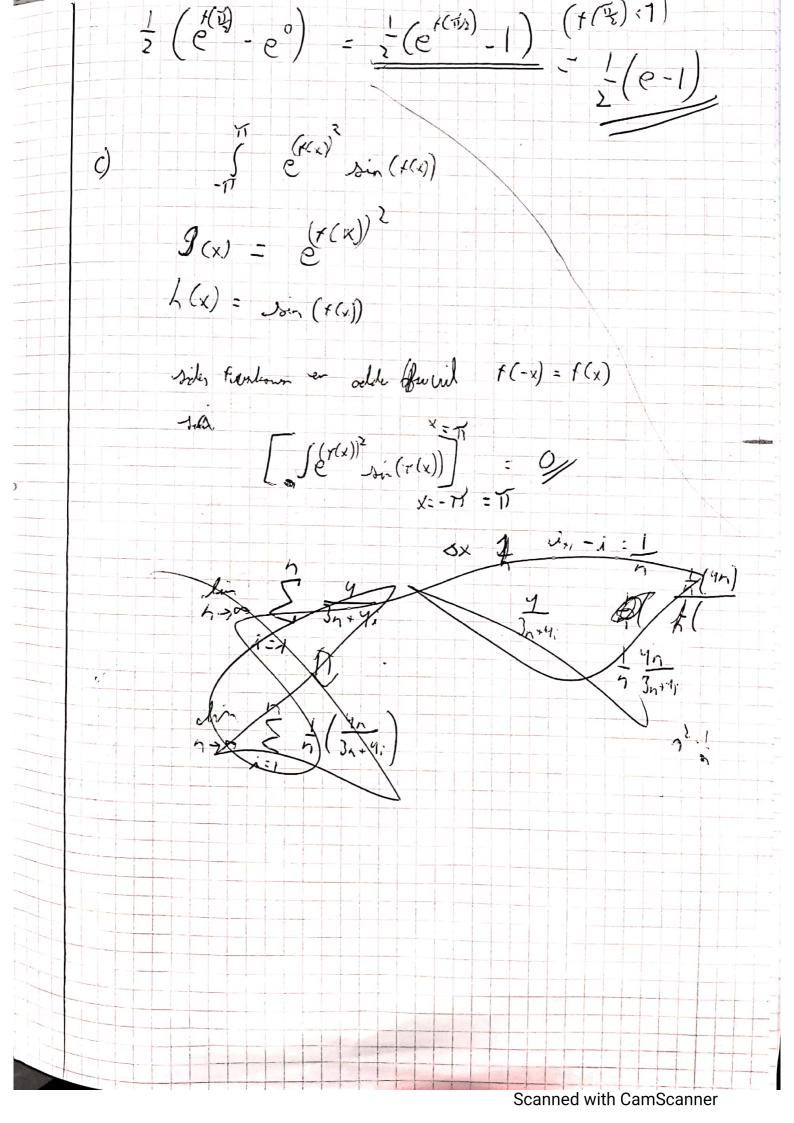
$$f''(i) \leq 0, \quad x \in [0, \infty)$$

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$$f''(i) = \frac{e^{i} + e^{-i}}{2} := \frac$$

$(f')'(x) = \overline{f'(f')}$	$\vec{c}(x)$
f(x) = Vi =0	
$e^{\times} + e^{-\times} = \sqrt{170}$	
ex + ex = 2 \(\sqrt{170} \)	j. e
ex2 - Zex Jizo + 1 = 0	₹ :e°
Z ² - 2VI70Z + 1=0	$(f^{-1})'(x) = \frac{1}{f'(603+\sqrt{190})}$
Z = 2\sqrt{170 = \sqrt{9.170 - Y}}	$\int f(x) = e^{x} - e^{x}$
Z = V170 ± 13	f(+3h(1) + \(\frac{1}{2}\)) = \(\frac{1}{2}\)+\(\frac{1}{2}\)
ex = V176+13	$\frac{1}{2} + \sqrt{120} - \frac{1}{2(10 + \sqrt{120})} = 13$
x= ln (1120 +12)	
<u>c</u>	$(f^{-1})'(x) = \frac{1}{f'(\lambda_m C_{12} + \sqrt{120})}$
	$(\tau^{-1})'(x) = \frac{1}{13}$





7	, ,	$\Delta x = \frac{1}{2}$, X ;	: 1
- 3	lim 5 3/4/		
	1→∞ j:j J+4,		
) : 2	1	
	$\lim_{n\to\infty}\frac{1}{n}\frac{4}{3+4}=$	Min & Dx 74V.	
	$\frac{n}{4}$		
	din dx \\ \frac{y}{3+x}	= = Knemmin = S	3+1/k dx
		0-	11-47
	projectione well i = 0-42 2 =	0= 3 rx dx	U=4,7,4 U=4
-	hake is a s		do v
	hehe 1 => == 7	Su du	
		5 U V	1x=die
		5 - du :	In 10/= la /3+1x/
-	$\int \frac{9}{3+9} dx$		
-	7	Lun/3,4x/]:	1 10
-		· /x / / =	In (3+4) - h (3)
-			17
-			In (=)
			3
		Scanned wi	th CamSaannar

f(x): ~X & x dna) $F(f^{-1}(x)) = x$ $(t')'(x) = \frac{1}{t'(t''(x))}$ 9 = le # Q: du = cax o e con x dx U = Jin X V=e-ax Jauv = UV -Sudi dV= ex. (a) Se ax coxd= sinxe - Sonx. (-acax) S-bix. (-ne") du six V=-a"

U = -anx dV: a'e - cox (-ae'ax) - S - coxyaze ax dx)
- cox (-ae'ax) +az S coxe ax dx Je constax = soinxe - (constal + n) sconxe di) (a +1) Se-ax cox dx = sinxe = cox xae Secands: bin(x)e - cos(x) re $\lim_{n\to\infty} \int e^{-ax} \cos x dx = \left[\frac{\sin(x)}{2} e^{-ax} - \cos(x) a e^{-ax} \right]^{n}$

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