XpXO / \*an x anx JSECXOX IXINT=XOX [X]

MATH 1432, SECTION 12869
SPRING 2017

HOMEWORK ASSIGNMENT 2

DUE DATE: 1/27/14 IN LAB

## NSTRUCTIONS

- Print out this file and complete the problems. You must do all the problems!
- If the problem is from the text, the section number and problem number are in parantheses
- Use a blue or black pen or a pencil (dark).
- Write your solutions in the spaces provided. You must show work in order receive credit for a problem.
- Remember that your homework must be complete, nextly written and stapled.
- Submit the completed assignment to your Teaching Assistant in lab on the due date
- If you do not do all of the problems, then your recitation quiz from the previous Friday will automatically ресолие в ZERO.

(1+x) M) =	(Section 7.3, Problem 3)  DM (X3+1)  D6 MQ/M X41 >
XTX	>0
	X-X+1) >

[Qn(2mx)]= (2nx) = 1 . \_ 3. (Section 7.3, Problem 9) = (2X+1) &M(2X+1) Domain Dnx >0 > x>1 f(x)=2(2X+1), 2 Jun(2X+1) 2. (Section 7.3, Problem 8) In/Inx) 2×+1>0 +×>-1 + (2x+1)- 2x+1

f(x)=-Sin(Inx). T(x)= Co3(2nx) DAXCIP -> X >0.

Jan - Swin + C Let 4=3-x dx=-dx 1-Kn13-X1+C

8. (Section 7.5, Problem 29)

STINX BOX CI= 27 COSX dy=-Simple

d4 = - SW/01+C

- JM 2+(05x/+ C

5 x dx lat u=3-x du=-2xdx 1 dy 1 xdx

5 CH = - 2 DM/W/+ C 

Stansxoux lot u=3x du=3dx

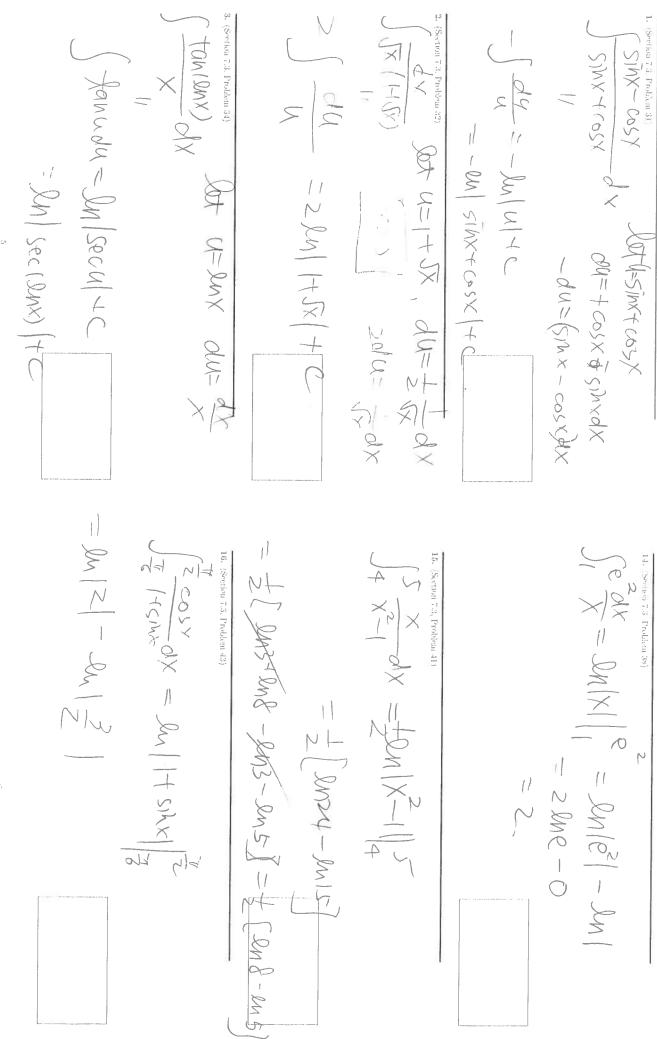
35 famudy = 3 lm cosal +C = + 3 2m) sec (0) 1+ c

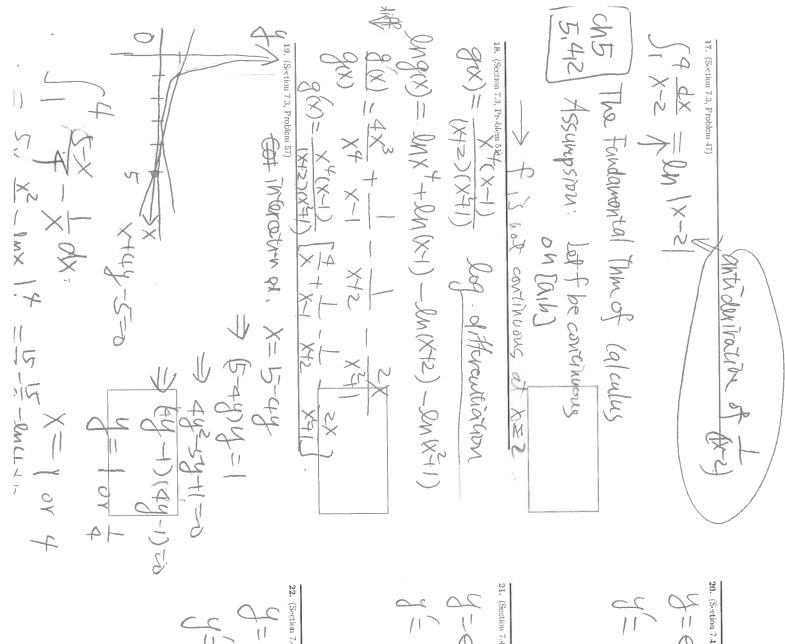
> Scc2x dx Sot U= 4-Xahzx du=-2sec2xol 12 = Sec 2 xolx

I - I Sun ul + C

- - 2 em 4- tamer 4

) X(0MX)2





20. (Section 7.4, Problem 5)

4 - 2X 2 - 1

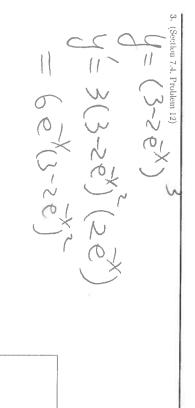
4 - 2X 2 - 1

21. (Section 7.4, Problem 5)

Y = ex linx -> product rule

9-x-0x-x-0x

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4. (Section 7.4, Problem 13)

\( \frac{1}{2} \left( \eq \times \frac{2}{4} \right) \frac{2}{2} \tag{-1} y=2/ex+1).2xex 1-4X CX (CX 4-1)

5. (Section 7.4. Problem 18)

Y = (2x + 1)

Gr log afferentiag!

my= lm (e2x-1)-lm (e2x+1)

8- 6x-1 6xx+1 3A= (6xx) (6xx) (6xx) (6xx)

tax)= six (ex)  $f(x) = [\cos(e^x)] \cdot ze^x$ 

27. (Section 7.4, Problem 24)

f(x)=ln(cose4)

f(x)=22(-sine1) COS 62

Jegy - 62x + C

10

(1=X2

32. (Section 7.4, Problem 34)

St Z = xpx J= Xp xmgg)

30. (Section 7.4, Problem 31)

10x 11-0x

Jex - 2/ex + + C

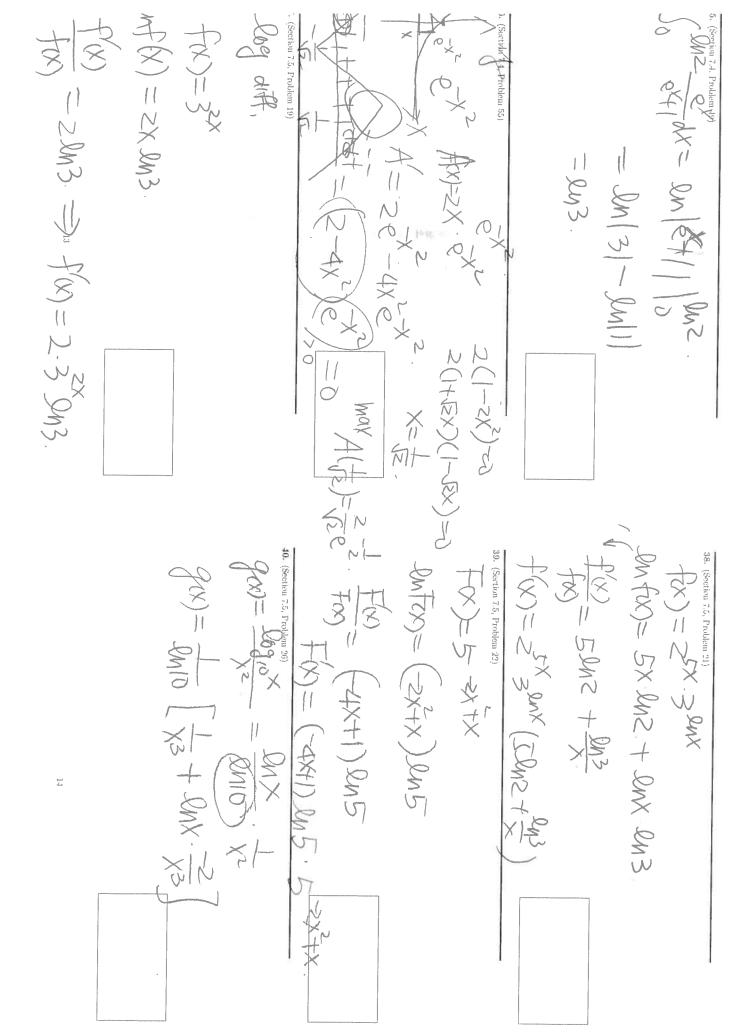
34. (Section 7.4. Problem 40)

(SIM (EX)

CZX dX = 7 COS(EZX) + C

Jeneral - Jrdx - Ztc

13



J27 dx= -27x 41. (Section 7.5, Problem 30)

JX10-Xdx = - \frac{1}{2} \land \frac{1} \land \frac{1}{2} \land \frac{1}{2} \land \frac{1}{2} \land \f 2 2m/0 +C JOH U = - X - - WAY - - X - - IN JOHN J STORY

1 ( June ) + ( June )

Quita) = COSX Day(SIMX)

antico = X emixer 44. (Section 7.5, Problem 43)

(X+1)

(X+1) 式= W(天)+X F(x)= (X+1) [ ] (X+1) + X

46. (Section 7.5, Problem 49) (N)=(CO3X)(X50) (2X JMCO3X & CX ) = (N) Syllon = (X+1) Duncosx + (X+1) - Sylv 45. (Section 7.5, Problem 48)

(X) (Co5X) (X-(1))

JOS SUNX SOLX \_ 25 X DW SING -TON - SINX - SINX) + COSK BOX 188