11.24. 意. 생수 1 아게 #6,1,1(2) 1 2 6 dd = 2 6 - 2 / 8 dd - del. = 9 ex - 2 / 1ex -((と 溶(性)) x g'ex-exex + 2 ex + c #8.1.1(3) 23 (OS). osina. 1 1005 rdx = gangl - Scinsida Egsina+cosa+c)(企和始) = 3 14 (1+x') = - 3 (1+x') = dx = 3 14 (1+x') = - 3 (1+x) = dx - 3 (1+x) = dx = 3 (1+x) = dx 25/1+2 da = 3, 14 (1+x) #6.1.1.(0) (Ct 23914) \$81.1.(8) 「月」 hx cx = まり3 hxl- 「まれ」 dx - = まれ3 hxl- すれ3 + C (cを を作)

F

#61.1(11) $6 \frac{24}{(0521)} \cdot \frac{24}{(052$ 1 rosed. e-x dq = -e-x rosed - Je-2x sin=x dx = -e-/rosed - (-e-/sin>x+2 sin>x1. JOSER E-1/JA = 3e-2(-105291+514271)+C (CE 75/8) 据(1.1,(13) 13 | n12+1 dx = [= 1 | n | n + 1] 3 -] 3 = 1 | x + 1 | dx | = 1 | s | n | x + 1 | dx | = 1 | s | n | x + 1 | dx | = 1 | s | n | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = 1 | x + 1 | dx | = -3/12- = [a- |n1x+11]3 $= 3 \ln 2 - \frac{1}{5} (3 - (\ln 4 - 15))$ $= 3 \ln 2 - \frac{1}{5} (3 - 2 \ln 2)^{\circ}$ $= (\ln 2 - \frac{3}{5})$

DATE. 一里 大のか -sintt of. (C+ 35/87) #6,2.1.(4) N/Sinzal)+C 1+1058-10 En+Esind+c (公 孔 以) #821(8) (1-sec=3x)dx. tangate (ch 独好) morning glory 😽

DATE. NO. 48,2.1.(12) (-Sinzi Na. - 1 1+ 5'02 dx (secont eing. 100- 2) da (fanat seca + () (C는 对自分的) #8,2,1,(14) 1- Siva da. = J 10 1 - T+SX dx = A + S 1+sing dol = A - J (- 1 + Sinx) da = (9-tand-socx+C). (ch 始始) #8.3 1(1) (1/2 3). (1/2/1/1 = - 1/1/1/2) 梅.3.1.(3)

39-1-1 da

= J(A1 + A2 + A3.) dx

A1 9(9-1) + A2 (9-1) + A3 2 = 392-1+1 92(A1+A3) + 2 (-A1+A2) - A2 = 32-2+1

AJ=1. A1=0. A3=3.

J(-1 + 3) dy. (1 + 3/n/2-11+c) (CE 35/8/)

#8.3,1(5)

$$\int \frac{1}{x(1+x^2)} dx$$

$$= \int \left(\frac{1}{x} + \frac{1}{x^2}\right) dx$$

1771 x f(a) = V. f(x) = -x-

 $\int (\frac{1}{5!} + \frac{-1}{1+1^2}) dx$ $= \left(\ln |x| - \frac{1}{5!} \ln |x| + C \right)$

#8,3,1.(1)

J(A1 + A2) dge.

A1(2+4) + (9-2) (A2+A3)

= p(2(A1+A2)+x(A3-2A2)+(4A1-2A3)=x14x-4

/ A1+A2=1

1. 0. 1.

A3-2A2=-4

0. -1. 1. -9

4A1-2A3=-4

9. -4 - 4. -80

A3=0. A1=-1. Az=82.

 $\int_{9/-2}^{2} \frac{1}{1+e_1} \frac{3}{1+e_1} \frac{1}{1+e_1} \frac{1$

= - (19-2) + |1/274 + 0 (. 0 2/2 4/5)

#8.3.1.(11)

J (-1 + #) da < - | m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m | 2 + m

(CZ 38 H)

483.16(3)

$$\int \frac{\xi}{g}$$

$$= \int \frac{\xi}{g}$$

 $= \int \frac{18}{3.3} + \frac{3.16}{3.16} + \frac{3.5}{3-21} \right) 0$

 $-\int (2 - 6 - 3 + 3 - 3 + 2 \cdot) da$

= 2 m(x1-6121+31-3 m(x-31-10 (2 232 184)

#8.3.1.(15)

213+1= (9(+1) (71-71+1)

Jo 1+213 doc.

= Jo (g(+1 - x2-x+1) dx

= 50 (AZ+B) da.

 $((2^{2})+1)+(2+1)(42+13)=1$

92 (C+A) + 9(-(+A+B)+(C+B)=1

$$-\int_{\delta}^{1}(\frac{1}{3}\frac{1}{9!+1}-\frac{1}{3}\frac{(29!-1)\cdot\frac{1}{5}+\frac{1}{5}-2.}{3!-x+1})dg$$

$$=\frac{1}{5}(\ln 20)-\frac{1}{6}(0-0)+\frac{1}{8}(\tan^{-1}\frac{1}{2}\cdot\frac{\sqrt{3}}{2}-\tan^{-1}(\frac{1}{2}\cdot\frac{\sqrt{3}}{2}))$$