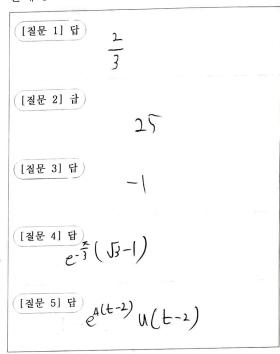
분반	겨울	이름	0=16	학번	1217/657	1

문제 1



문제 4

$$\frac{\exists 0}{f(t)} = 1 - e^{\frac{t}{2}} + (f(t))^{\frac{1}{2}} - \frac{1}{5} - \frac{1}{5}$$

$$f(s) = L(\frac{f(t)}{t}) = \int_{s}^{m} \frac{1}{s} - \frac{1}{5} ds$$

$$= \left[\ln s - \ln |s| - 1 \right]_{s}^{m}$$

$$= -\Omega \frac{s}{s-1} = F(s)$$

$$F(1) = -\ln 1$$

유한성 이름 12/1/151 2 분반 학번 거울 문제 7 문제 5

$$\frac{\exists 0}{f(x)} = \int_{0}^{\infty} 7e^{(1-t)T} \int_{0}^{\infty} 7e^{(1-t)T} dT$$

$$\Rightarrow f(x) = \int_{0}^{\infty} 7e^{-T} \int_{0}^{\infty} dT$$

$$f(x) = \left[-\frac{1}{2}e^{-t}(t \int_{0}^{\infty} t + (t+1)(ost)\right]_{0}^{\infty}$$

$$= \frac{1}{2}$$

$$\frac{3}{5}$$

$$\frac{3}{5}$$

$$F(S) = \ln \frac{5}{5} \frac{7}{1} = \frac{1}{3}$$

$$F(S) = \frac{1}{5} + \frac{1}{3} = \frac{1}{3}$$

$$F(S) = \frac{1}{5} + \frac{1}{3} = \frac{1}{3}$$

$$-\frac{1}{5} + \frac{1}{3} = \frac{1}{3} + \frac{1}{3} = \frac{3}{3}$$

$$\frac{1}{5} + \frac{1}{3} = \frac{1}{3} + \frac{1}{3} = \frac{3}{3}$$

$$\frac{1}{5} + \frac{1}{3} = \frac{3}{3}$$

$$\frac{1}{3} + \frac{$$

문제 6

$$\frac{\exists 0}{h(t)} = \frac{1}{1} \left(\frac{4}{(s^2 + 1)^2} \right) \\
h(t) = \frac{1}{1} \left(\frac{4}{(s^2 + 1)^2} \right) \\
= s_{1}ht + 4s_{1}ht \\
= 4 \int_{0}^{t} s_{1}h_{1} s_{1}h_{1}(t-1) dT \\
= -2 \int_{0}^{t} cost - cos(27-t) dT \\
= -2 \left[\frac{7}{1} cost - \frac{1}{2} s_{1}h_{1}(27-t) \right]_{0}^{t} \\
= -2 \left(\frac{1}{1} cost - \frac{1}{2} s_{1}h_{2}(27-t) \right)_{0}^{t}$$

$$= -2 \left(\frac{1}{1} cost - \frac{1}{2} s_{1}h_{2}(27-t) \right)_{0}^{t}$$

=-2(trost -sint)

$$\frac{1}{20} \qquad F(4) = \frac{1}{2}$$

$$\frac{1}{2}(\frac{1}{2}\frac{1}{2}) + \frac{1}{2}(\frac{1}{2}\frac{1}{2}) - \frac{1}{2}(\frac{1}{2}\frac{1}{2}\frac{1}{2}) + \frac{1}{2}(\frac{1}{2}\frac{1}{2}) = 0$$

$$\frac{1}{2} - \frac{1}{2}F - \frac{1}{2}F - \frac{1}{2}F + \frac{1}{2}F - \frac{1}{$$

=-1(3-1-1) 나는 정직하게 시험에 응할 것을 서약합니다. 공업수학1-2020-겨울

문제 9

문제 10

문제 11

$$\frac{\exists 0}{\int (y'') + \eta L(y)} = e^{-\frac{\pi}{2}S}$$

$$\frac{\int (y'') + \eta L(y)}{\int (y') - Sy(0) - y'(0) + \eta L(y)} = e^{-\frac{\pi}{2}S}$$

$$\frac{\int (y) - \frac{2S}{S+\eta} + \frac{e^{-\frac{\pi}{2}S}}{S+\eta}}{\int \frac{2S}{S+\eta} + \frac{2S}{S+\eta}}$$

$$\frac{\int (y) - \frac{2S}{S+\eta} + \frac{2S}{S+\eta}}{\int \frac{2S}{S+\eta} + \frac{2S}{S+\eta}}$$

$$\frac{\int (y') - \frac{2S}{S+\eta} + \frac{2S}{S+\eta}}{\int \frac{2S}{S+\eta} + \frac{2S}{S+\eta}}$$

$$\frac{\int (y'') - \frac{2S}{S+\eta} + \frac{2S}{S+\eta}}{\int \frac{2S}{S+\eta} + \frac{2S}{S+\eta}}$$

$$\frac{\int (y'') - \frac{2S}{S+\eta} + \frac{2S}{S+\eta}}{\int \frac{2S}{S+\eta} + \frac{2S}{S+\eta}}$$

$$\frac{\int (y'') - \frac{2S}{S+\eta} + \frac{2S}{S+\eta}}{\int \frac{2S}{S+\eta}} = \frac{2S}{S+\eta}$$

$$\frac{\int (y'') - \frac{2S}{S+\eta} + \frac{2S}{S+\eta}}{\int \frac{2S}{S+\eta}} = \frac{2S}{S+\eta}$$

$$\frac{\int (y'') - \frac{2S}{S+\eta} + \frac{2S}{S+\eta}}{\int \frac{2S}{S+\eta}} = \frac{2S}{S+\eta}$$

$$\frac{\int (y'') - \frac{2S}{S+\eta}} = \frac{2S}{S+\eta}$$

$$\frac{\int (y'') - \frac{2S}{S+\eta}}{\int \frac{2S}{S+\eta}} = \frac{2S}{S+\eta}$$

문제 12

분반

겨울

Ze2+e2112

要の y/1+1-22 以 + 21 y = 0 (x = 0 の) は は (x = 0 の) は

6(1)= 1-2x ((1)=2(1) 1(0)=0 +(1)++=0, +=0 1=0 2(00)

J= I and - I ant) Unit) Unit) Unit)

- 1 Ind mx + I Um- 1 - I unt = 0

 $= (1 - 6 + \frac{1}{m!})^m \left(n(r+1) \left(1 + (n+1) \left(1 - 2 \right) n \right) + (1 + (n+1) \left(1 - 2 \right) n \right)$ = 0

 $y = u_0(1 + x + \frac{1}{2}x^2 + \frac{1}{3}x^3 + \frac{1}{3}) = u_0e^2$

 $y_{2} = y_{1} \int \frac{1}{y_{1}^{2}} \exp(-\int p dx) dx$ $= e^{2} \ln x$

Y= C, ext Czex lax (se= 4e+ 4=2) Y= C, ext Czex + Czex lax (re= set 6e) Y= zex + exenx 문제 13

답 6

その メニュナト

学士、少士、少生かり

y'= ±+ x = t'x+ t

t'x=x -> t'=| t= x+C

サーンナ() コート((C=1)) サーンテル

y(2)= 4+2= (

나는 정직하게 시험에 응할 것을 서약합니다.