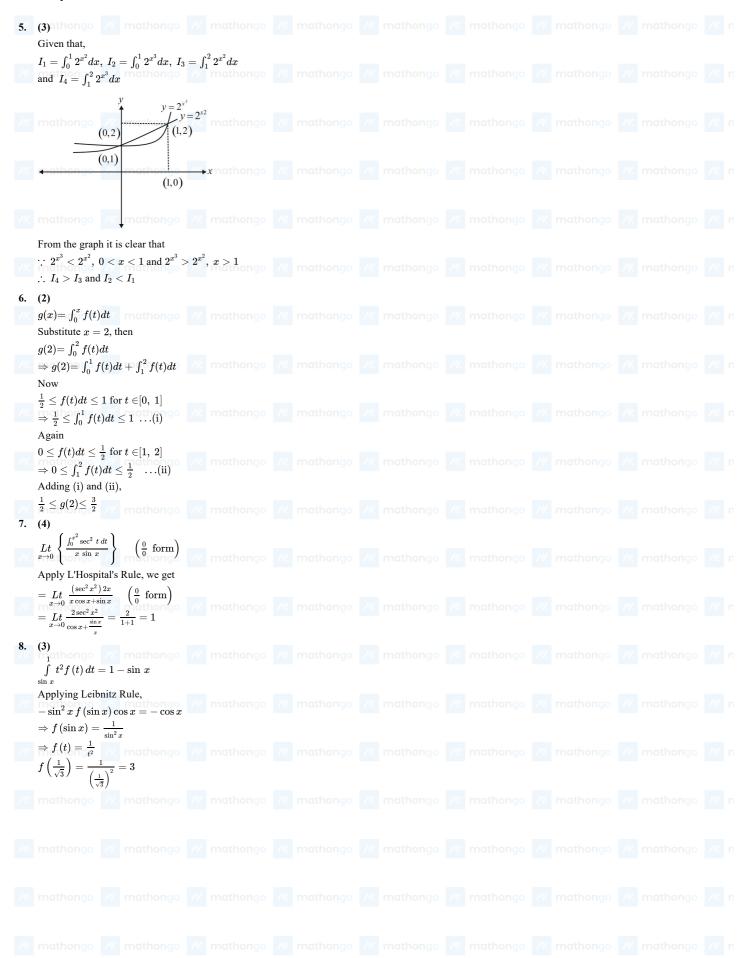


1. (3) 2. (2) 3. (3) 4. (3) 5. (3) 6. (2) 7. (4) 8. (3) 9. (1) mathered 10. (3) methods mathered math	
We know, $(x)=x- x $ in a mathematical mathematical mathematical x : $I=\int_0^{100}e^{-x}(x)dx$ x : $I=\int_0^{100}e^{-x}(x)dx$ Since, $\{x\}$ is a periodic function with a period 1 . = 1000 $\int_0^{10}e^{(x)}dx$ $=\int_0^{\infty}f(x)dx = \int_0^{\pi}f(x)dx$ = $\int_0^{\pi}f(x)dx$ if T is the period of the function $f(x)$). = 200 $\int_0^{\pi}\sin xdx$ = $\int_0^{\pi}f(x)dx$ = $\int_0^{\pi}f(x)dx$ = $\int_0^{\pi}f(x)dx$ if T is the period of the function $f(x)$). = 200 $\int_0^{\pi}\sin xdx$ = $\int_0^{\pi}f(x)dx$ = $\int_0^{\pi}f(x)dx$ = $\int_0^{\pi}f(x)dx$ if T is the period of the function $f(x)$). (3) Given, mathematical m	
Since, $\{x\}$ is a periodic function with a period 1 . $=1000 \int_0^1 e^{tx} dx \qquad \left[\int_0^{\pi T} f(x) dx = n \int_0^{\pi} f(x) dx\right]$ $=1000 \int_0^1 e^{tx} dx \qquad \text{mathemas} \qquad math$	
$=1000 \int_0^1 e^x dx \qquad \text{mathongs} \qquad matho$	
The probability of the period of the function $f(x)$ and $f(x)$ a	
$= (199 - (-1))^{\pi}_0 \sin x dx$ $(:\cdot \sin x \text{ is periodic with period } \pi \text{ and } \int_{nT}^{nT} f(x) dx = (n-m) \int_0^T f(x) dx \text{ if } T \text{ is the period of the function } f(x) \text{).} \qquad \text{mathongo} \qquad $	
$(\cdot, \sin x \text{ is periodic with period } \pi \text{ and } \int_{nT}^{nT} f(x) dx = (n-m) \int_0^T f(x) dx \text{ if } T \text{ is the period of the function } f(x) \text{).} \qquad \text{mathongo} \qquad m$	
= 200(1-(-1)) = 400. (3) Given, one will mathen a will	
Given, the mathons with mathon	
Now, we know that $\int_0^{nT} g(x) dx = n \int_0^T g(x) dx$ where, $n \in I$ and T is the period of $g(x)$. Now, from Eq. (i), we have $P = 3 \int_0^{\pi} f(\cos^2 x) dx = 3Q$ $P - 3Q = 0$ (3) mathongo //	
Now, from Eq. (i), we have $P=3\int_0^\pi f(\cos^2x)dx=3Q$ $P-3Q=0$	
Let $I=\int_0^{100\pi+\alpha} \sin x dx$ $=\int_0^{100\pi+\alpha} \sin x dx$ $=\int_0^{100\pi+\alpha} \sin x dx+\int_{100\pi}^{100\pi+\alpha} \sin x dx$ $=100\int_0^\pi\sin xdx+\int_0^\alpha\sin xdx$ mathongo $\%$ m	
$=100\int_0^\pi \sin xdx + \int_0^\alpha \sin xdx \hspace{1cm} \text{mathongo} \hspace{1cm} mathongo$	
$= 100 \ (1+1) + (-\cos\alpha + 1) = 201 - \cos\alpha \log 0 \text{mathongo} \text{mathongo} $	



Answer Keys and Solutions





Answer Keys and Solutions

