

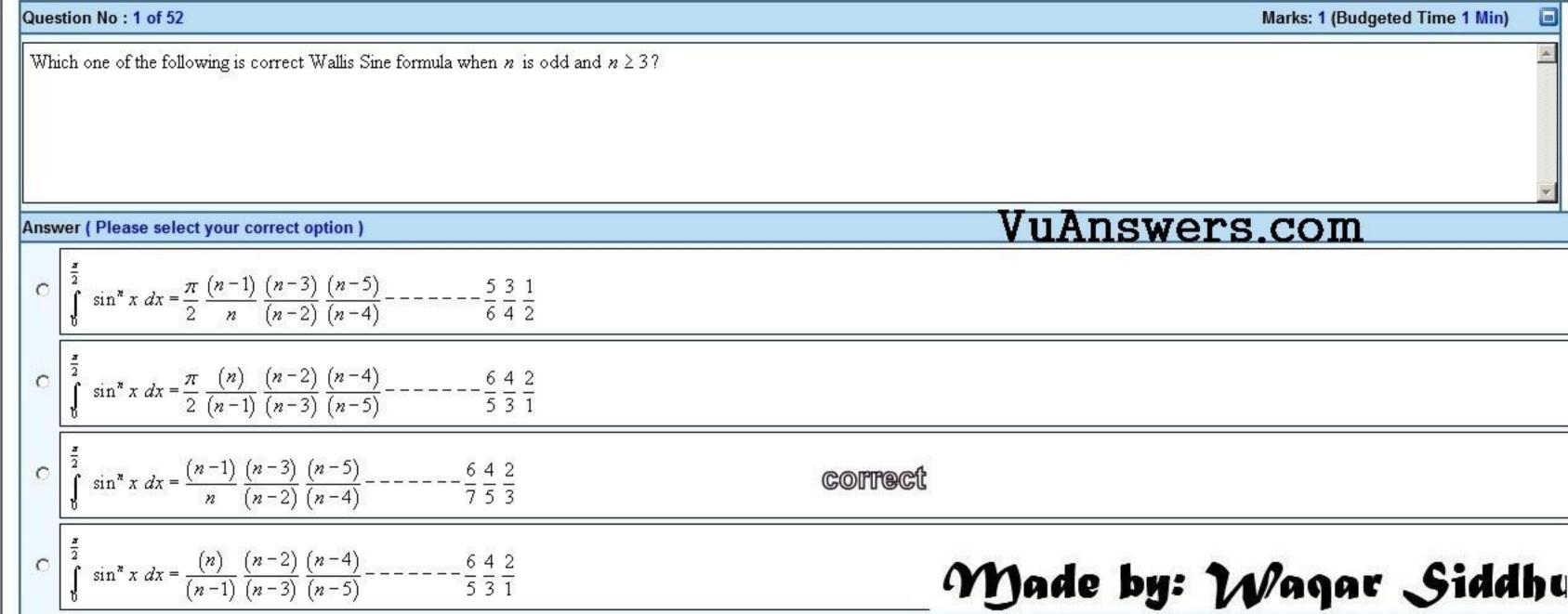
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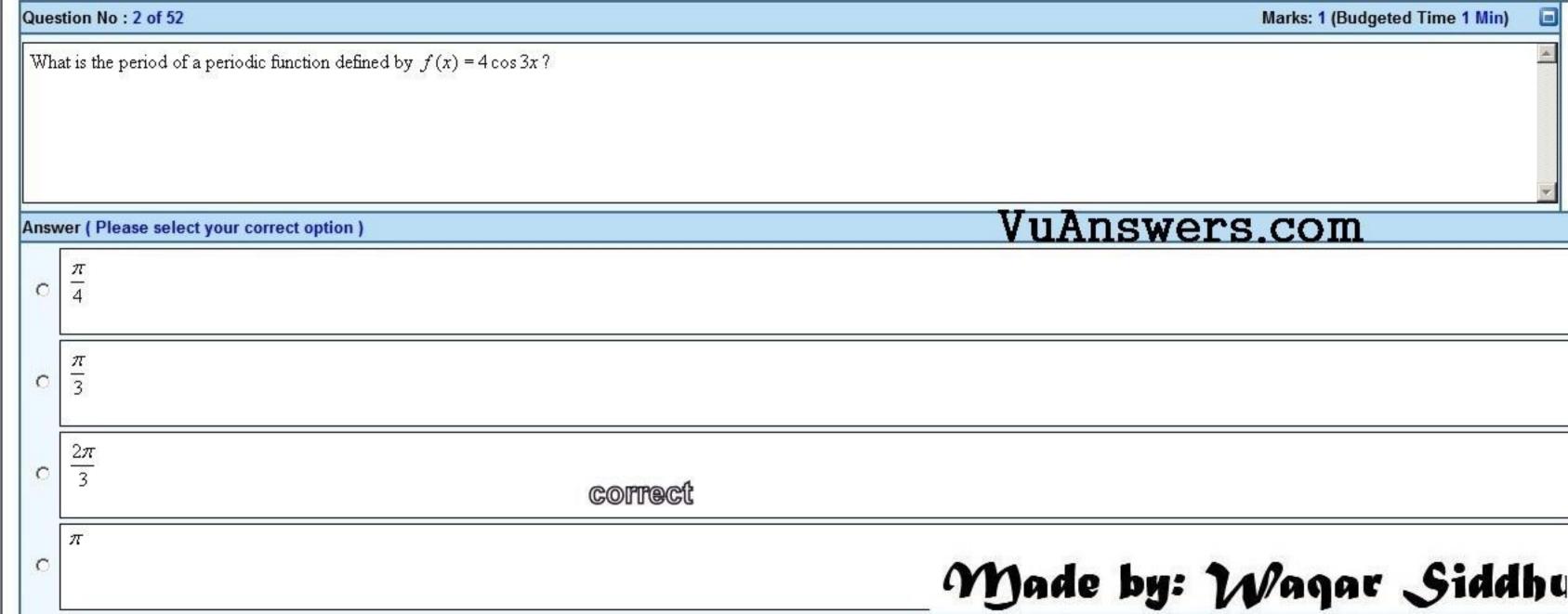
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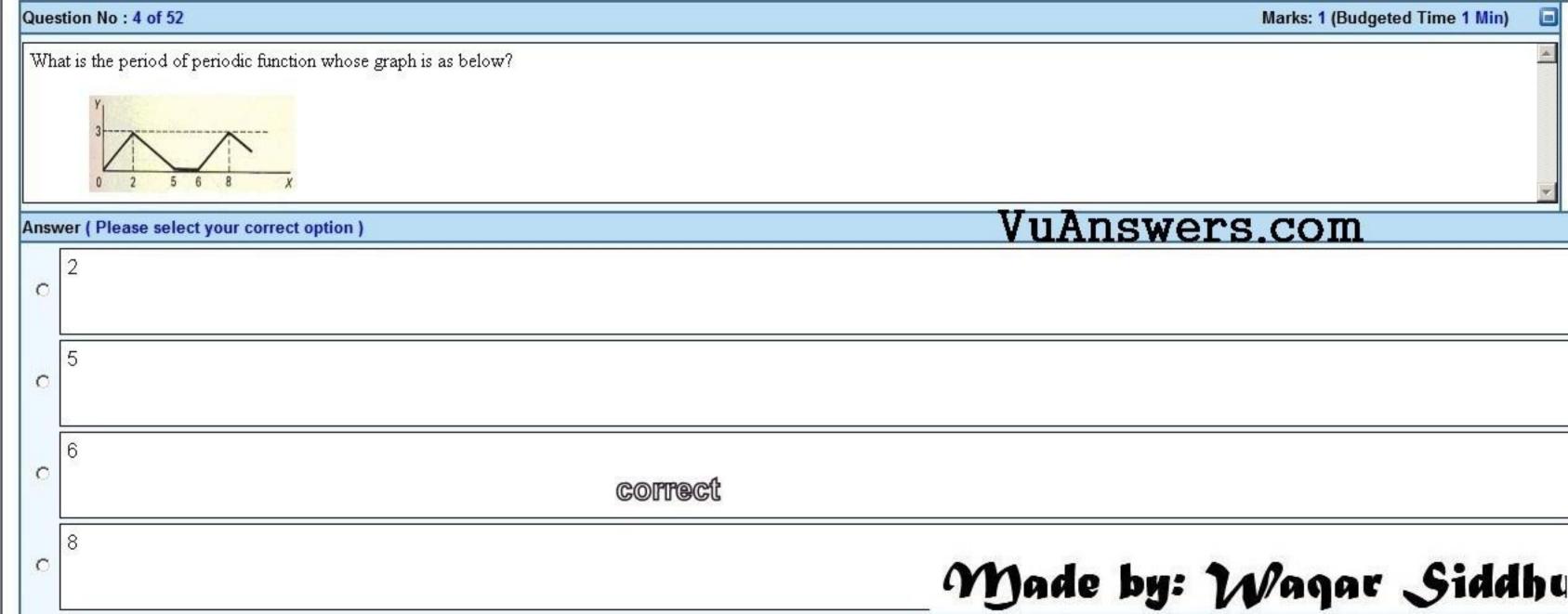
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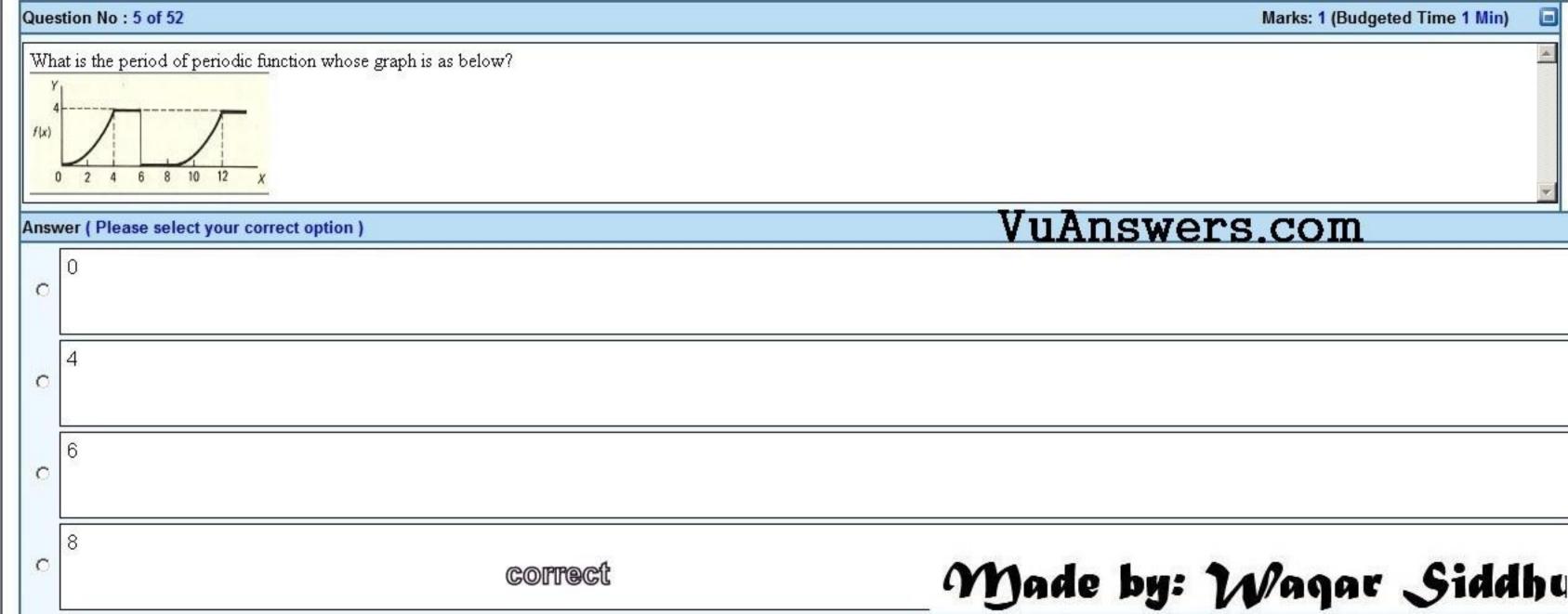
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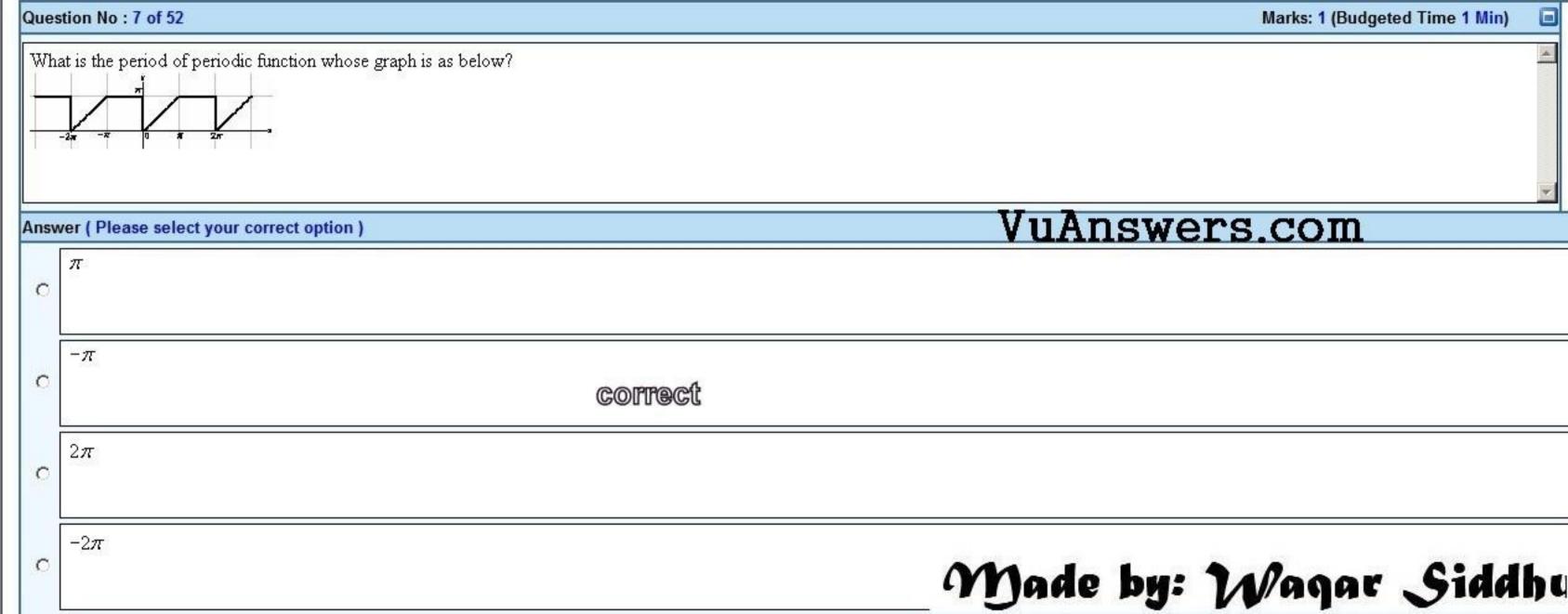


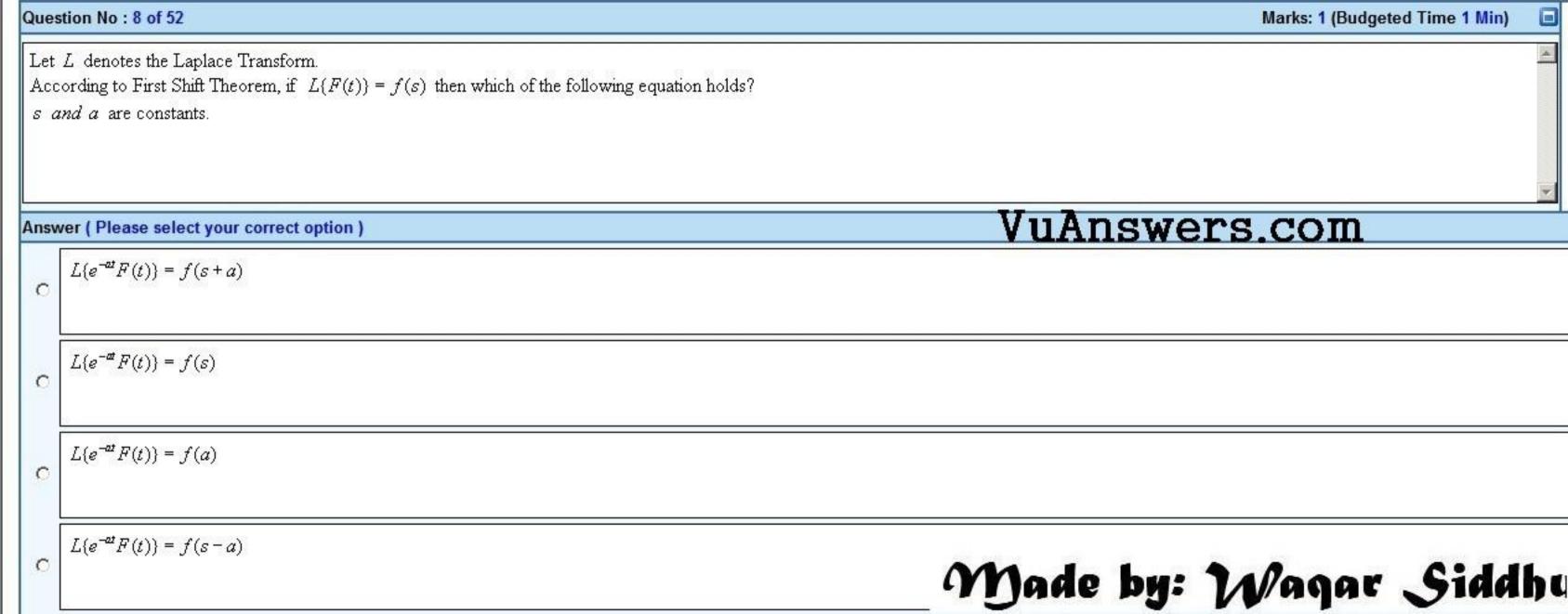


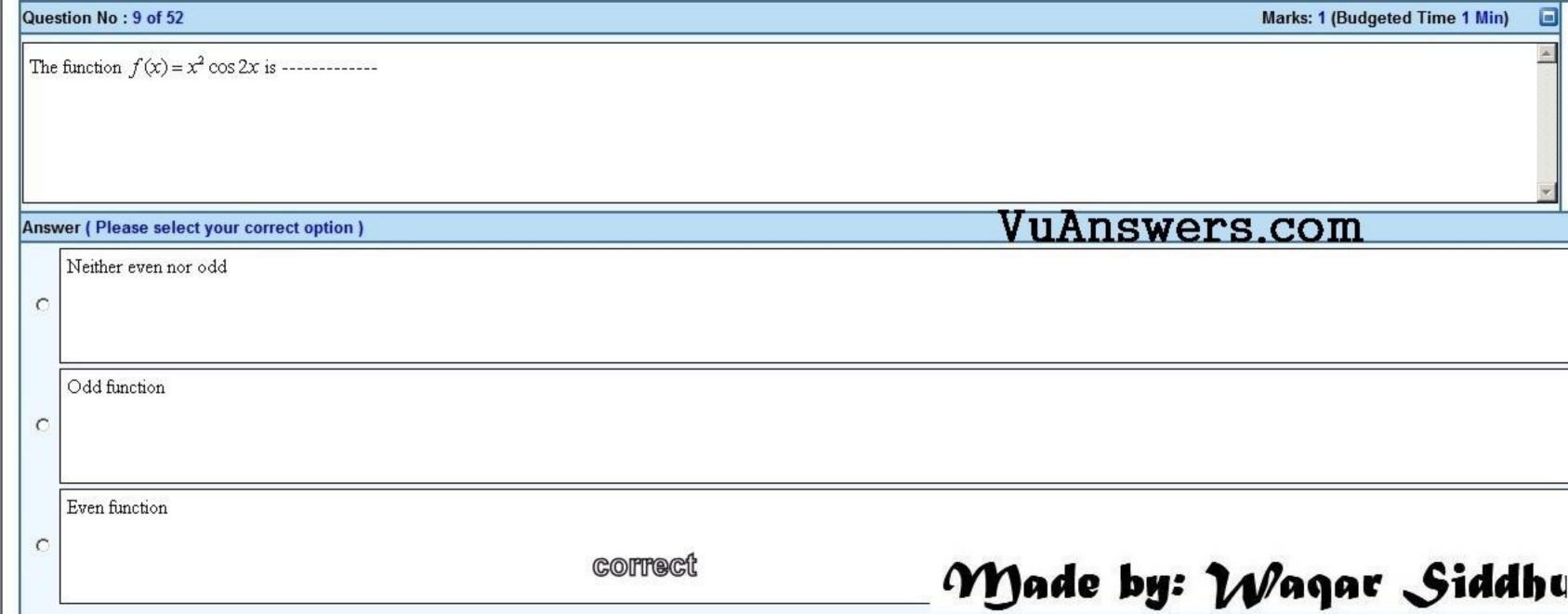




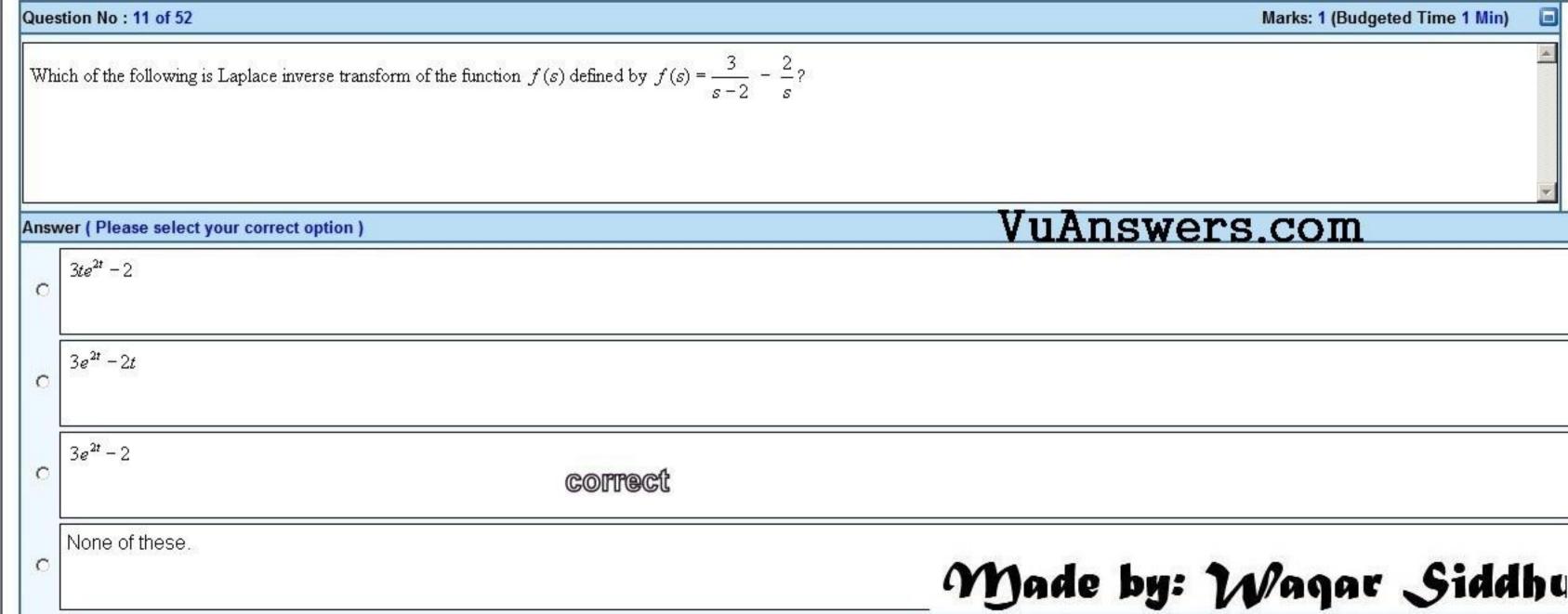








Que	estion No : 10 of 52	Marks: 1 (Budgeted Time 1 Min)
The	e graph of an even function is symmetrical about	
Ansı	wer (Please select your correct option)	VuAnswers.com
	x-axis	
0		
	y-axis	
C	correct	
	origin	
0		Made by: Wagar Siddh



What is laplace transform of the function
$$F(t)$$
 if $F(t) = \sin 3t$?

Answer (Please select your correct option)

$$C \quad L(\sin 3t) = \frac{3}{s^3 + 9}$$

$$C \quad L(\sin 3t) = \frac{s}{s^3 + 9}$$

$$C \quad L(\sin 3t) = \frac{1}{s - 3}$$

Question No : 13 of 52

If
$$L$$
 denotes laplace transform then
$$L(w^3) = \frac{1}{s^3 - 5}$$
Answer (Please select your correct option)

$$L(w^3) = \frac{1}{s^3 - 5}$$

$$L(w^3) = \frac{1}{s^3 + 5}$$

$$L(w^3) = \frac{1}{(s+5)^2}$$

$$L(w^3) = \frac{1}{(s+5)^2}$$
Correct

Otherwise Igbudgeted Time 1 Min)

$$L(w^3) = \frac{1}{s^3 - 5}$$

$$L(w^3) = \frac{1}{s^3 + 5}$$

$$L(w^3) = \frac{1}{(s+5)^2}$$
Correct

Otherwise Igbudgeted Time 1 Min)

Fig. 12

Fig. 13

Fig. 13

Fig. 13

Fig. 13

Fig. 13

Fig. 14

Fig. 15

Fig. 1

Question No : 14 of 52

What is
$$L(-6)$$
 if L denotes Laplace Transform?

Answer (Please select your correct option)

$$\begin{array}{c}
L(-6) = \frac{1}{s+6} \\
C \\
L(-6) = \frac{-6}{s}
\end{array}$$
Correct

Correct

Correct

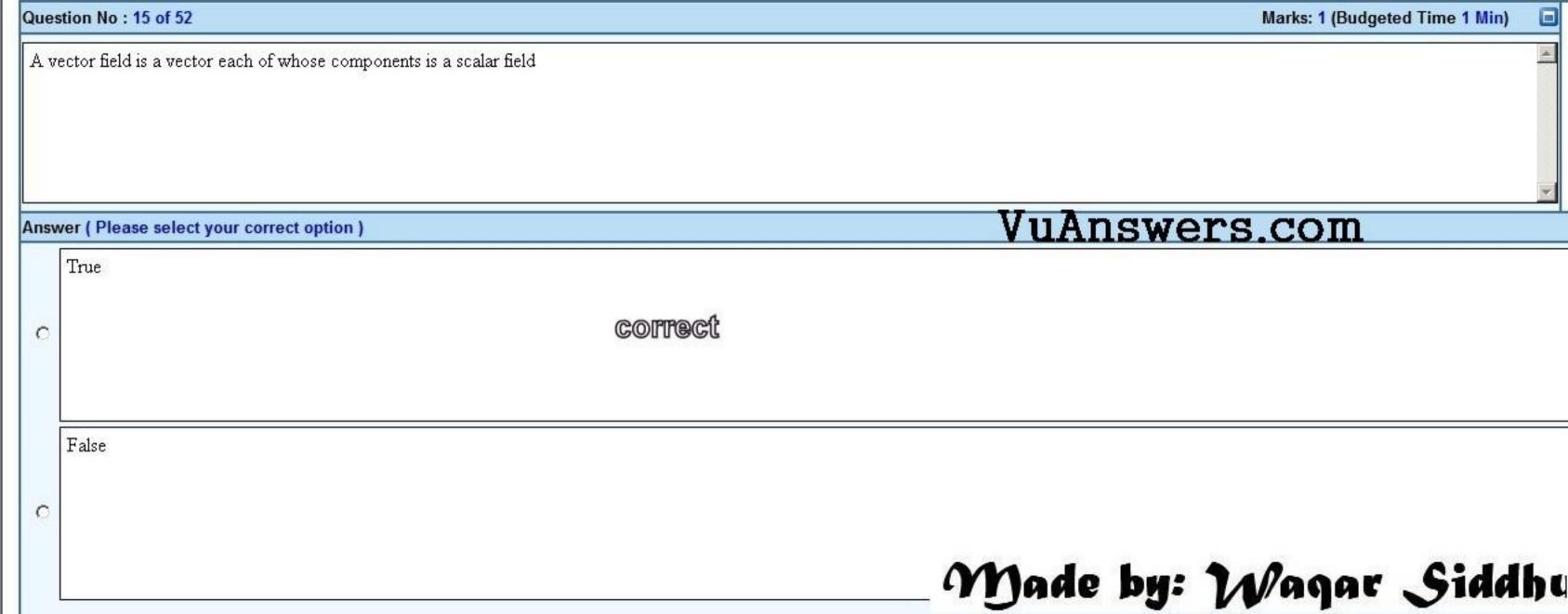
Correct

Correct

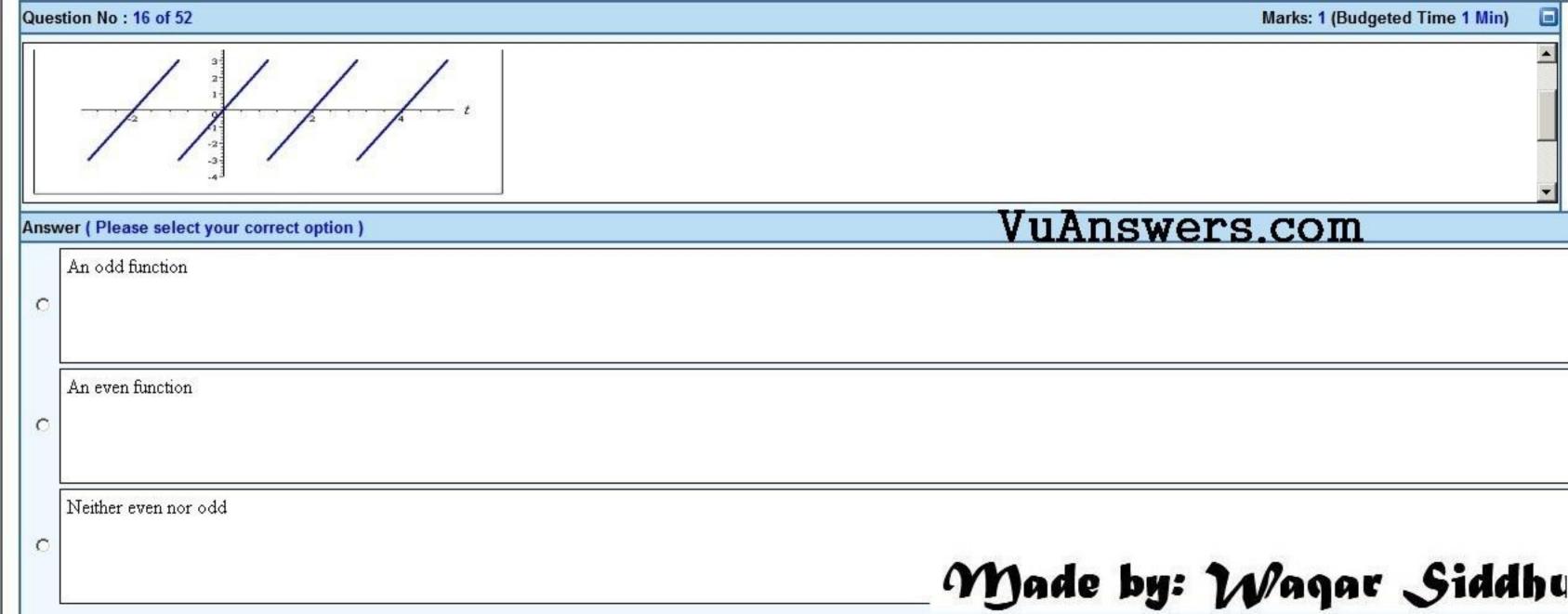
Correct

Correct

Correct







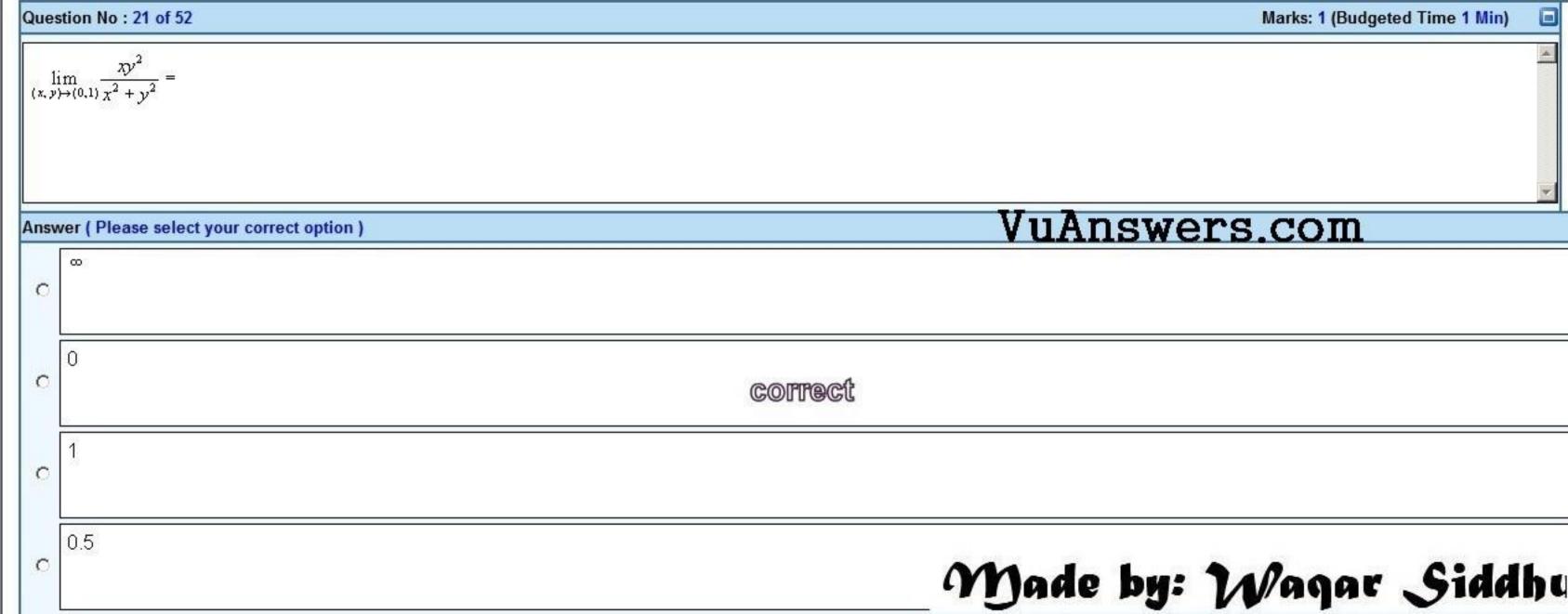
Question No : 16 of 52	Marks: 1 (Budgeted Time 1 Min)
L _a .	
The graph of "saw tooth wave" given above is	
Answer (Please select your correct option)	VuAnswers.com
An odd function	
C	
An even function	
Neither even nor odd	
0	Made by: Wagar Siddho

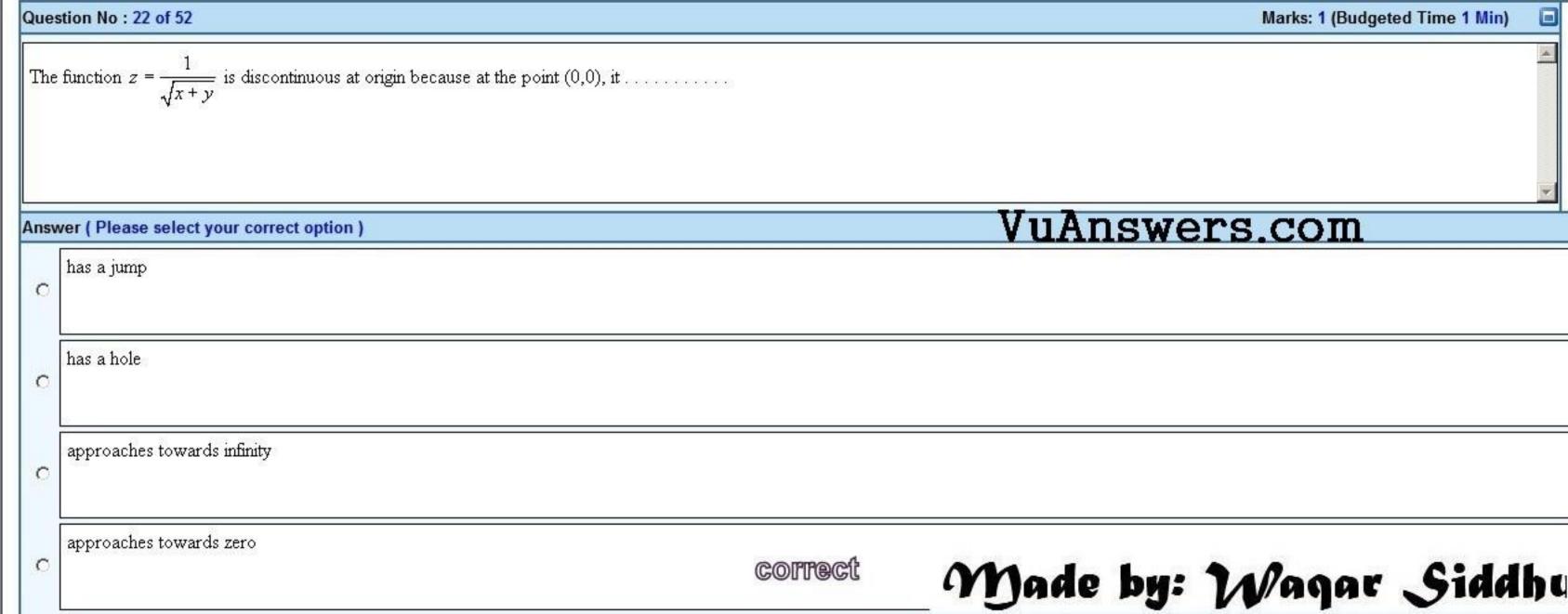


Question No : 18 of 52	Marks: 1 (Budgeted Time 1 Min)
The angles which a line makes with positive x ,y and z-axes are known :	as
Answer (Please select your correct option)	VuAnswers.com
Allswer (Flease select your correct option)	V UALISWELS.COIII
Direction cosines	
c	
Direction ratios	
C	
Direction angles	
	correct Made by: Wagar Siddhu

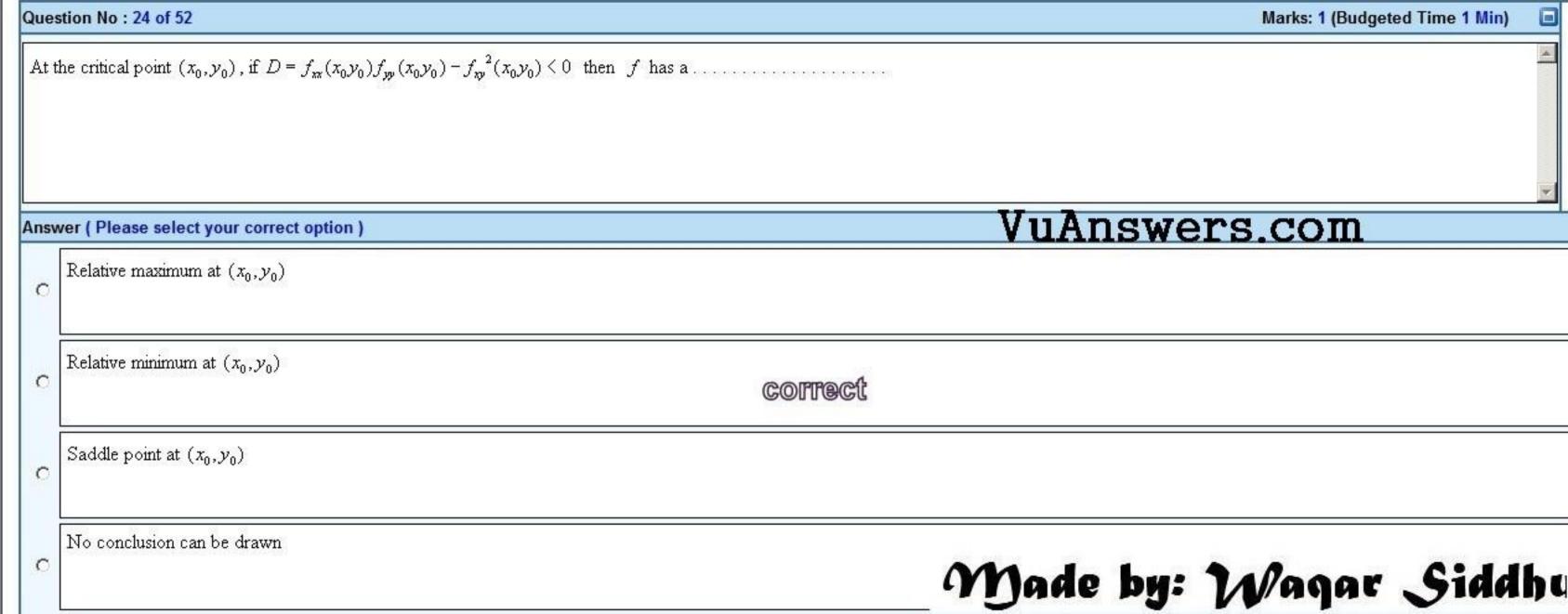


Question No : 20 of 52	Marks: 1 (Budgeted Time 1 Min)
Intersection of two non parallel planes is a	
Answer (Please select your correct option)	VuAnswers.com
Plane	
Point	
Straight line	correct
None of these.	Made by: Wagar Siddho

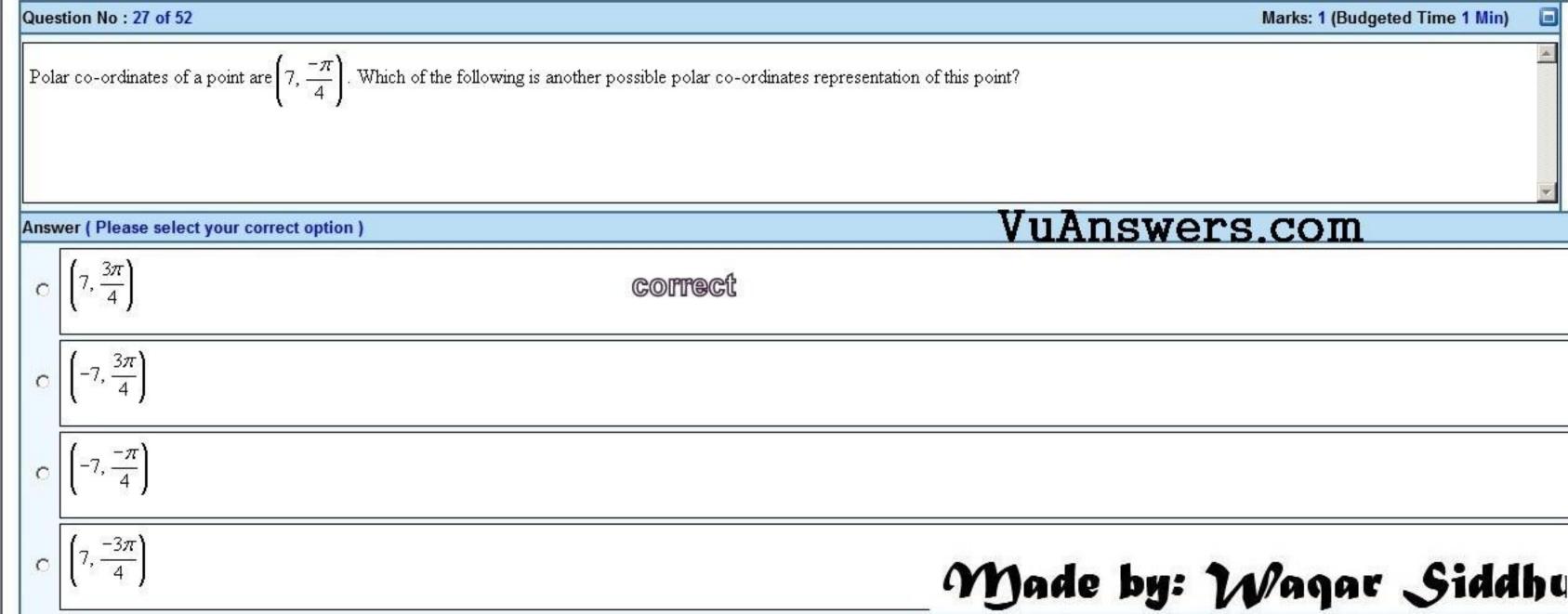


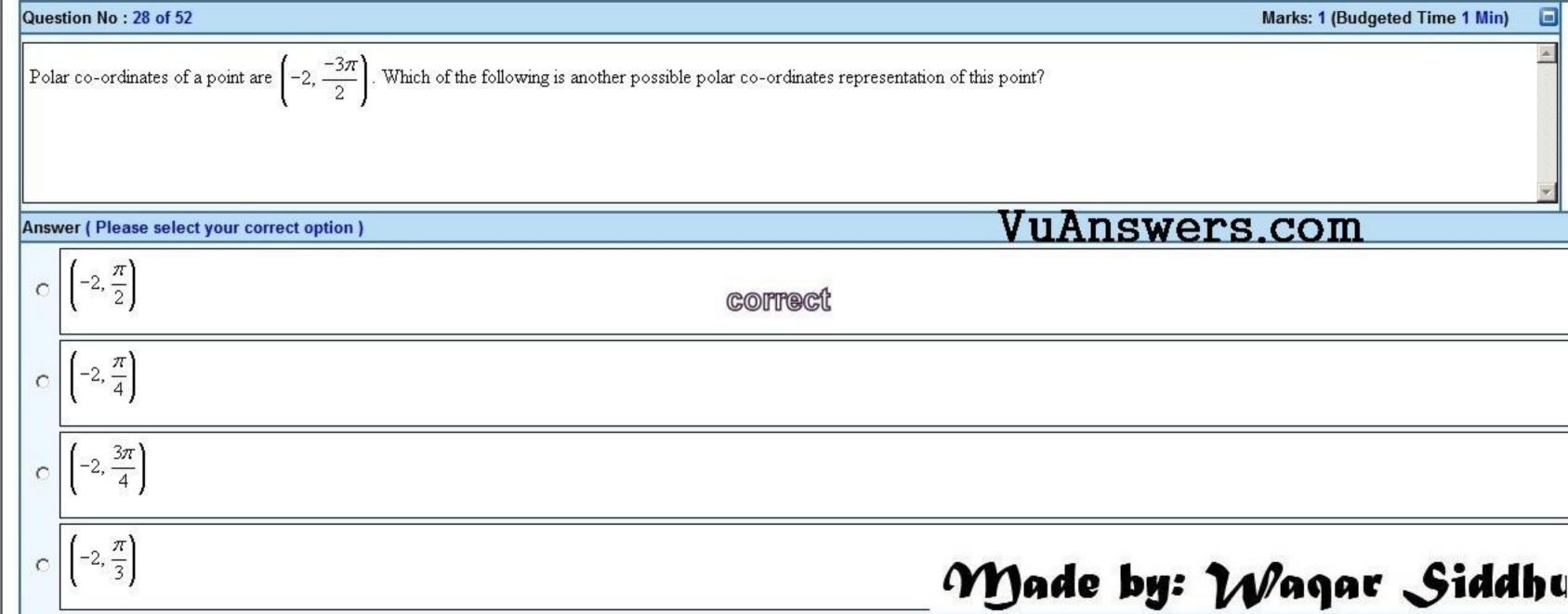


Question No : 23 of 52	Marks: 1 (Budgeted Time 1 Min)
Gradient of a scalar function always results in a function.	
Answer (Please select your correct option)	VuAnswers.com
Scalar	
Continuous	
Vector	correct
Constant	Made by: Wagar Siddh





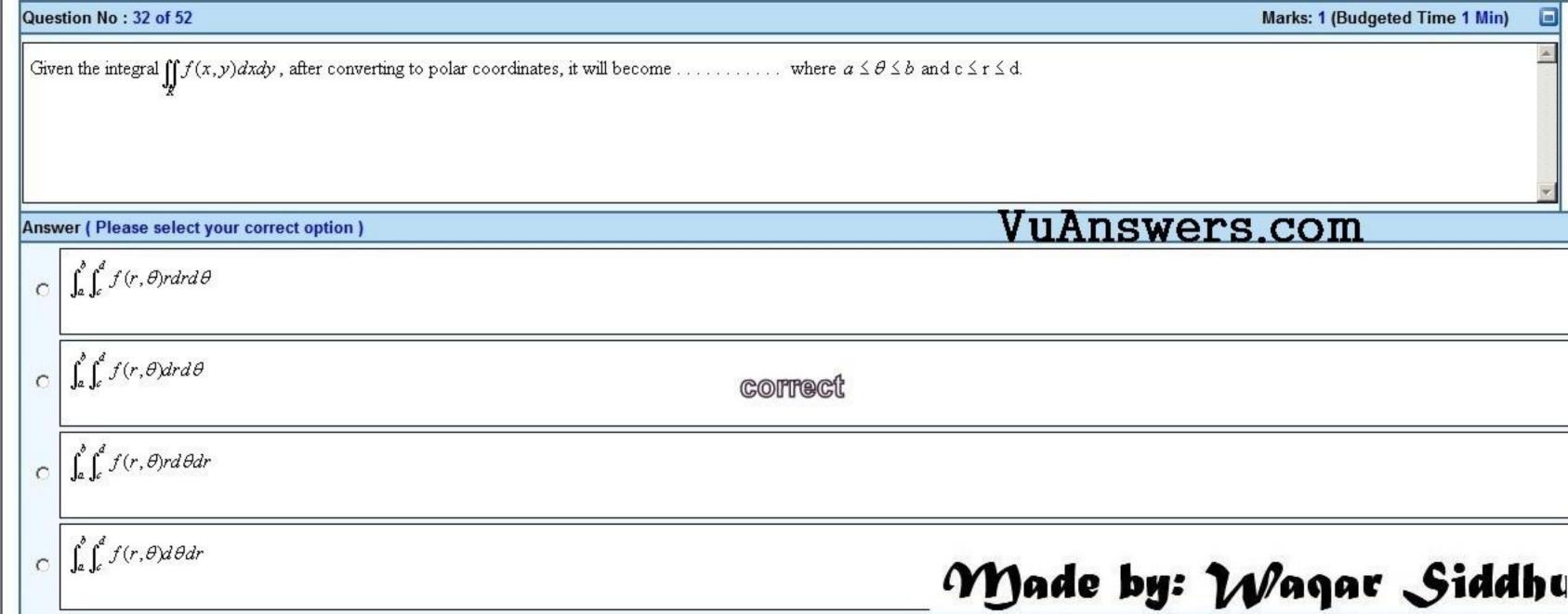




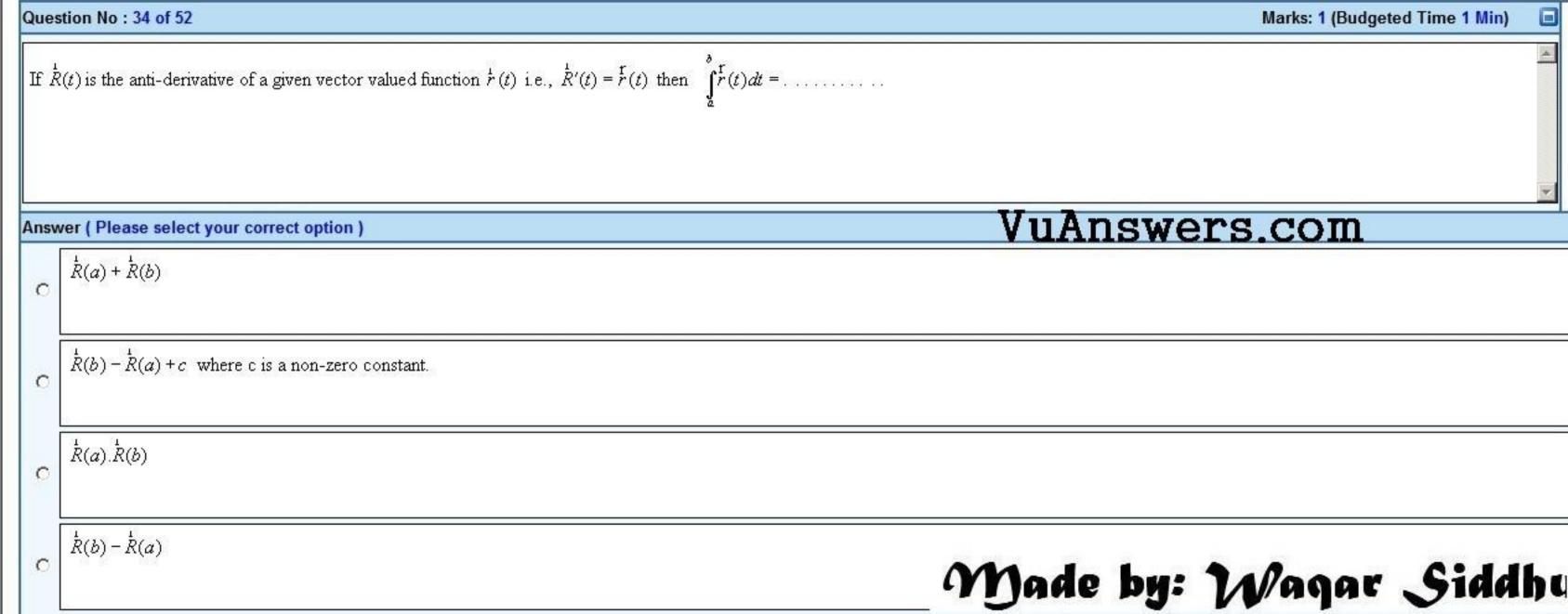
Question No : 29 of 52	Marks: 1 (Budgeted Time 1 Min)
If the equation of a curve, in polar co-ordinates, remains unchanged after replacing (r, θ) by $(r, \pi - \theta)$ then t	he curve is said to be symmetric about
Answer (Please select your correct option)	VuAnswers.com
y-axis correct	
Pole	
Initial line	
origin C	Made by: Waqar Siddhu

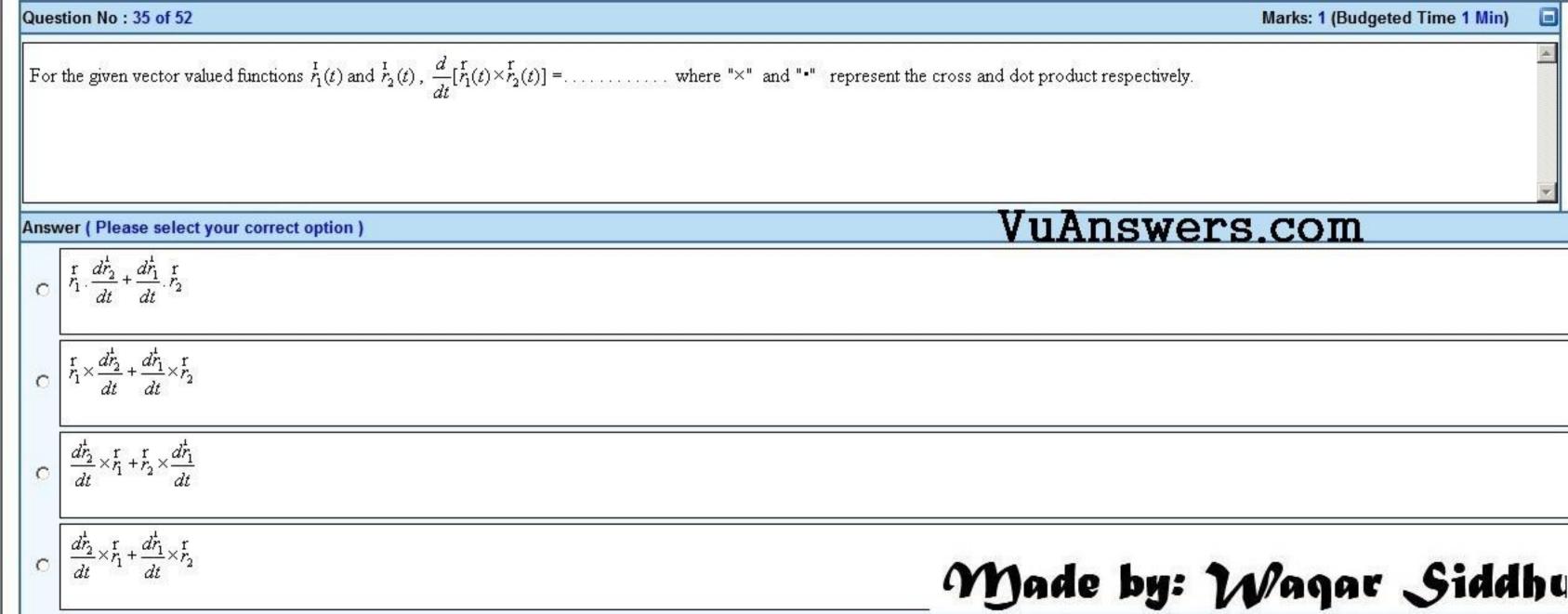
Ques	stion No : 30 of 52	Marks: 1 (Budgeted Time 1 Min)
In p	oolar coordinate system, x- axis is also called	
Ansv	wer (Please select your correct option)	VuAnswers.com
О	Polar axis COFFEC	
c	Pole	
c	Imaginary axis	
c	None of these	Made by: Wagar Siddh

Question No : 31 of 52	Marks: 1 (Budgeted Time 1 Min)
The point $p(0,\theta)$ in polar coordinate system lies on	
Answer (Please select your correct option)	VuAnswers.com
Polar axis	
y-axis	
Pole	correct
None of these	Made by: Wagar Siddh









Question No : 36 of 52	Marks: 1 (Budgeted Time 1 Min)
A vector valued function $\hat{r}(t) = x(t)\hat{i} + y(t)\hat{j} + z(t)\hat{k}$ is continuous if	
Answer (Please select your correct option)	VuAnswers.com
Atleast one of its components is continuous.	
All of its components are necessarily differentiable.	
C	correct
All of its components are continuous.	
Limit exists for all of its components.	Made by: Wagar Siddho

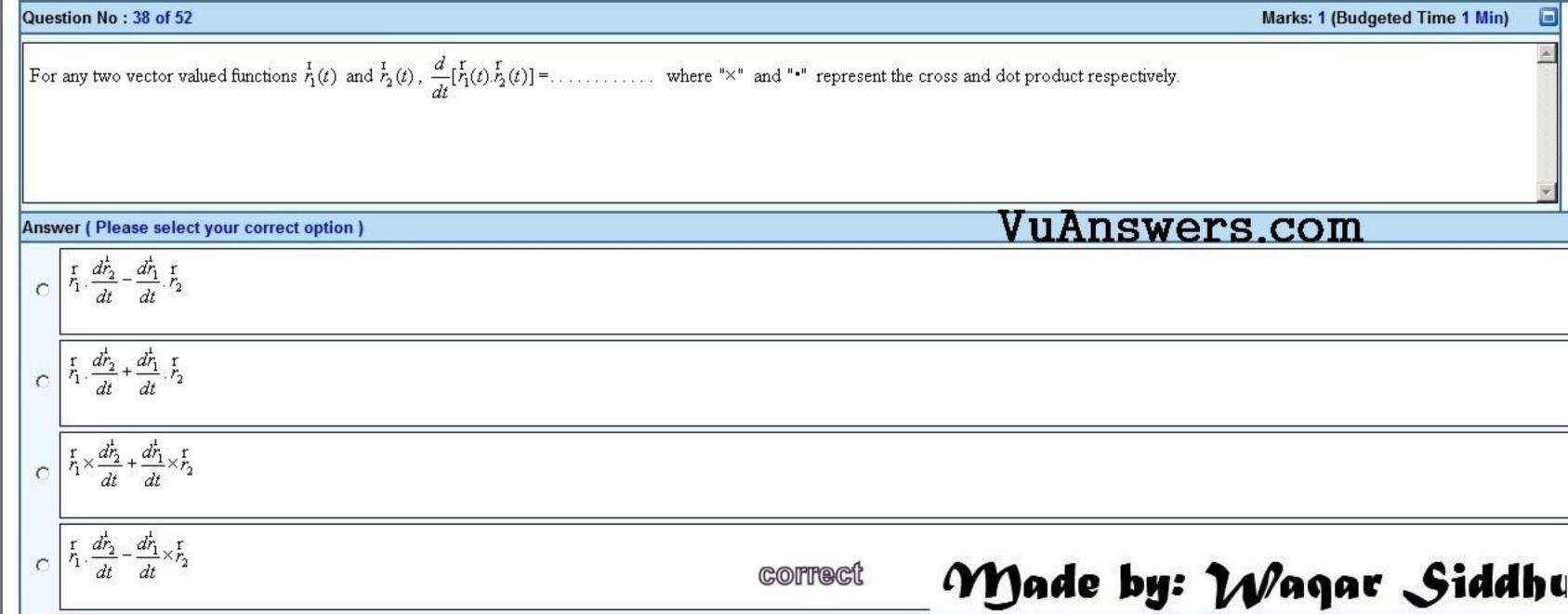
Given a vector valued function
$$\hat{f}(t) = \frac{1}{(t-3)}\hat{i} + e^t\hat{j}$$
 and its anti-derivative $\hat{R}(t) = \ln(t-3)\hat{i} + e^t\hat{j}$, then $\int_{-1}^{1} f(t)dt = \dots$

Answer (Please select your correct option)

VuAnswers. Com

$$C \quad \ln(t-3)\hat{i} + e^t\hat{j} + c$$

$$C \quad (t-3)\hat{i} + \frac{e^t}{2}\hat{j} + c$$



Question No : 39 of 52	Marks: 1 (Budgeted Time 1 Min)
A single curve can be represented by vector	valued function(s).
Answer (Please select your correct option)	VuAnswers.com
C Two	
Infinitely many	
Single	correct
Three	Made by: Wagar Siddh

Que	estion No : 40 of 52	Marks: 1 (Budgeted Time 1 Min)
A f	function is said to be smooth if it's derivative is on any value of its domain.	
Ansı	wer (Please select your correct option)	VuAnswers.com
С	continuous and non zero	
o	piecewise continuous	
c	defined and non zero	
c	differentiable	Made by: Wagar Siddh

Question No: 1 of 52

What is the derivative of following vector-valued function?

$$\vec{r}(t) = \begin{pmatrix} t^1, \sqrt{t+1}, \frac{3}{t^2} \end{pmatrix}$$

Answer (Please select your correct option)

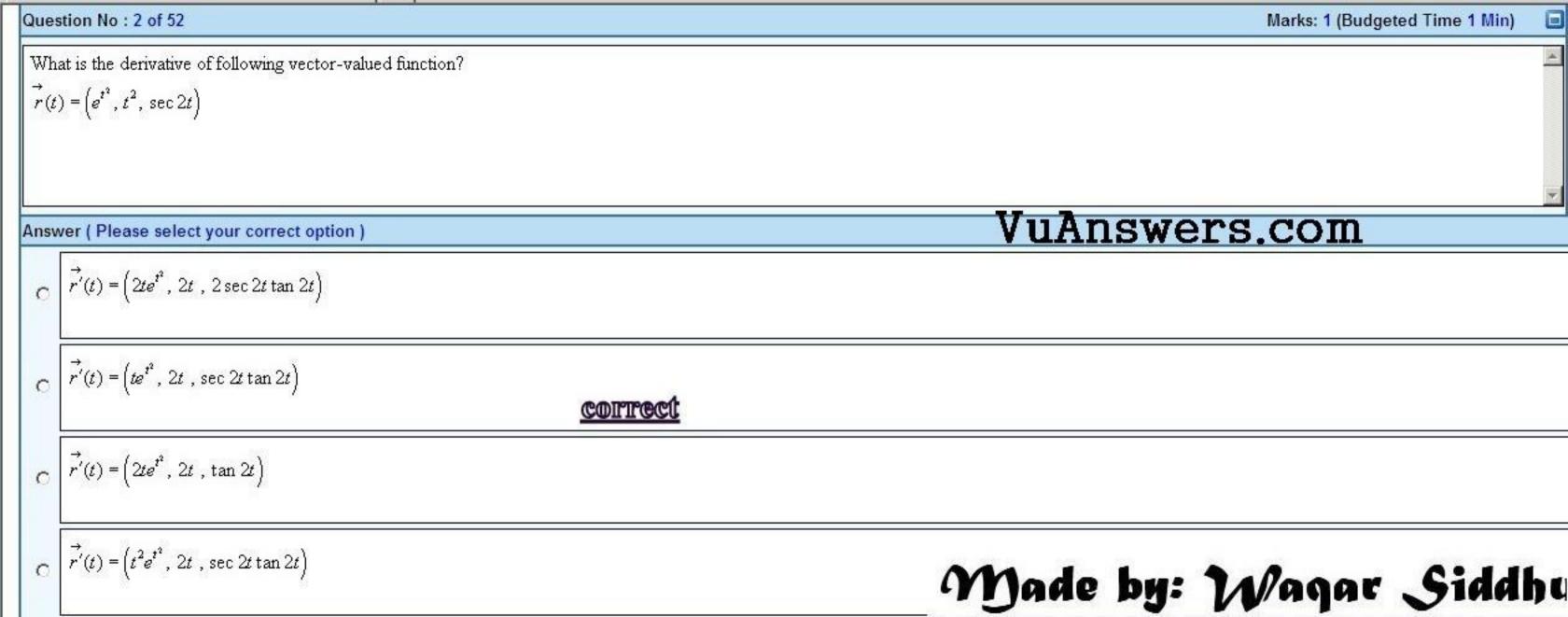
$$\vec{r}'(t) = \begin{pmatrix} 4t^3, \frac{1}{\sqrt{t+1}}, \frac{-6}{t^3} \end{pmatrix}$$

$$\vec{r}'(t) = \begin{pmatrix} 4t^3, \frac{1}{2\sqrt{t+1}}, \frac{-6}{t^3} \end{pmatrix}$$

$$\vec{r}'(t) = \begin{pmatrix} 4t^4, \frac{1}{2\sqrt{t+1}}, \frac{-6}{t^3} \end{pmatrix}$$

Correct

That by the property of the proper



Evaluate the integral
$$\int \left[(3t-1)\hat{i} + \sqrt{t} \, \hat{j} \right] dt$$

Answer (Please select your correct option)

$$C \int \left[(3t-1)\hat{i} + \sqrt{t} \, \hat{j} \right] dt = \left(\frac{3}{2}t^2 - t \right) \hat{i} + \left(\frac{3}{2}t^{\frac{3}{2}} \right) \hat{j} + C$$

$$C \int \left[(3t-1)\hat{i} + \sqrt{t} \, \hat{j} \right] dt = \left(\frac{3}{2}t^2 - t \right) \hat{i} + \left(\frac{2}{3}t^{\frac{3}{2}} \right) \hat{j} + C$$

$$C \int \left[(3t-1)\hat{i} + \sqrt{t} \, \hat{j} \right] dt = \left(\frac{3}{2}t^2 - t \right) \hat{i} + \left(\frac{2}{3}t^{\frac{3}{2}} \right) \hat{j} + C$$

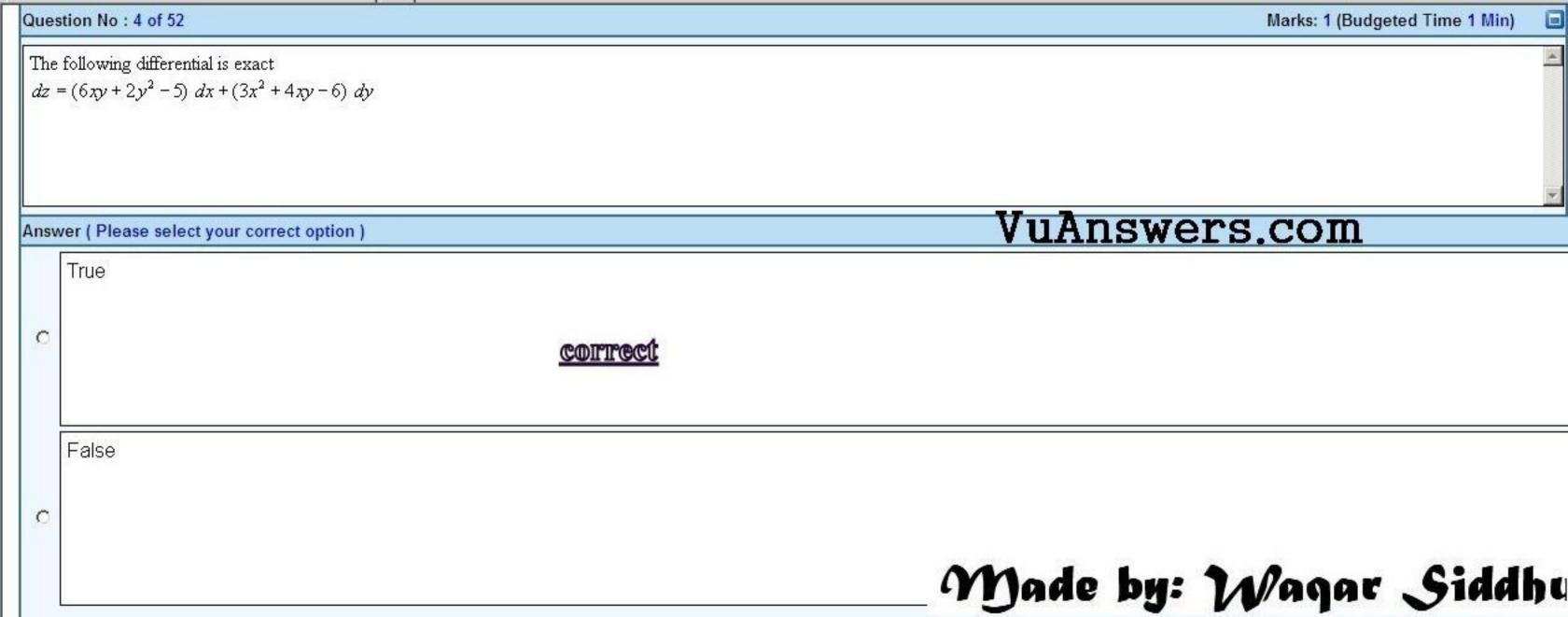
$$C \int \left[(3t-1)\hat{i} + \sqrt{t} \, \hat{j} \right] dt = \left(\frac{3}{2}t - t \right) \hat{i} + \left(\frac{2}{3}t^{\frac{3}{2}} \right) \hat{j} + C$$

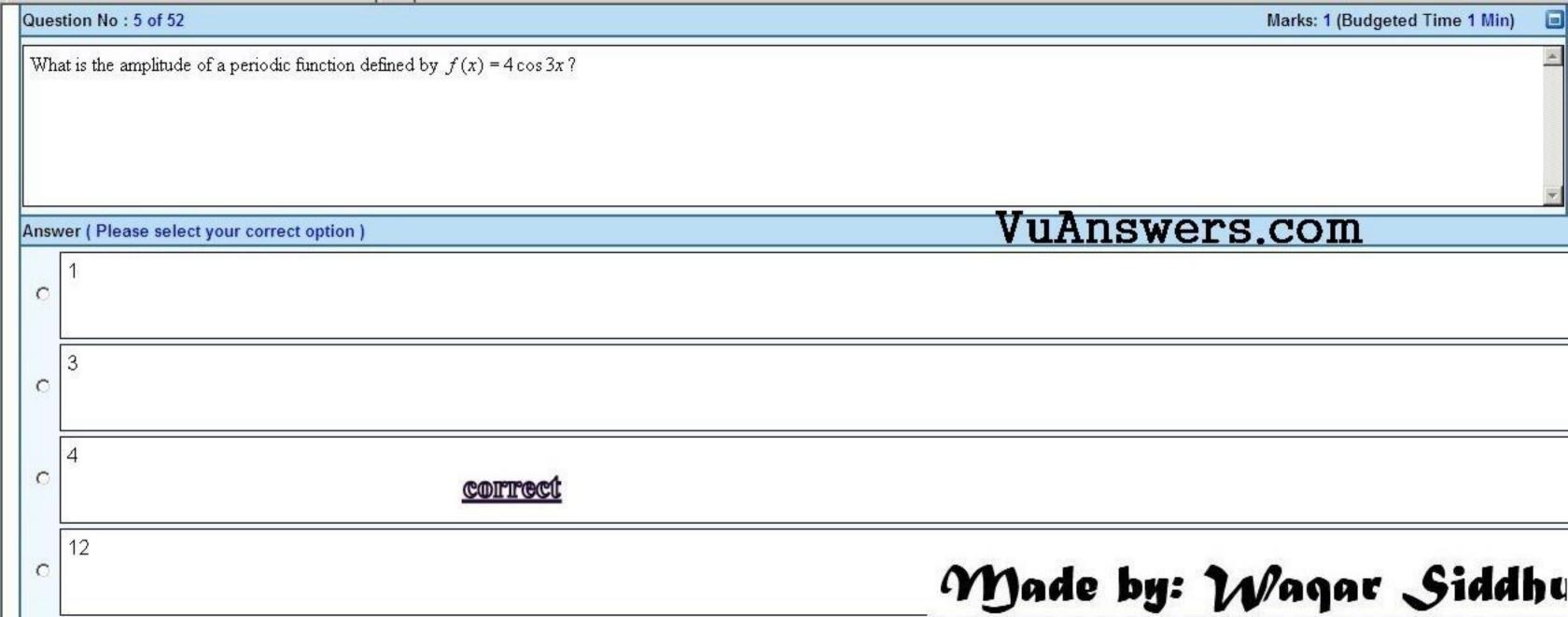
$$C \int \left[(3t-1)\hat{i} + \sqrt{t} \, \hat{j} \right] dt = \left(\frac{3}{2}t - t \right) \hat{i} + \left(\frac{2}{3}t^{\frac{3}{2}} \right) \hat{j} + C$$

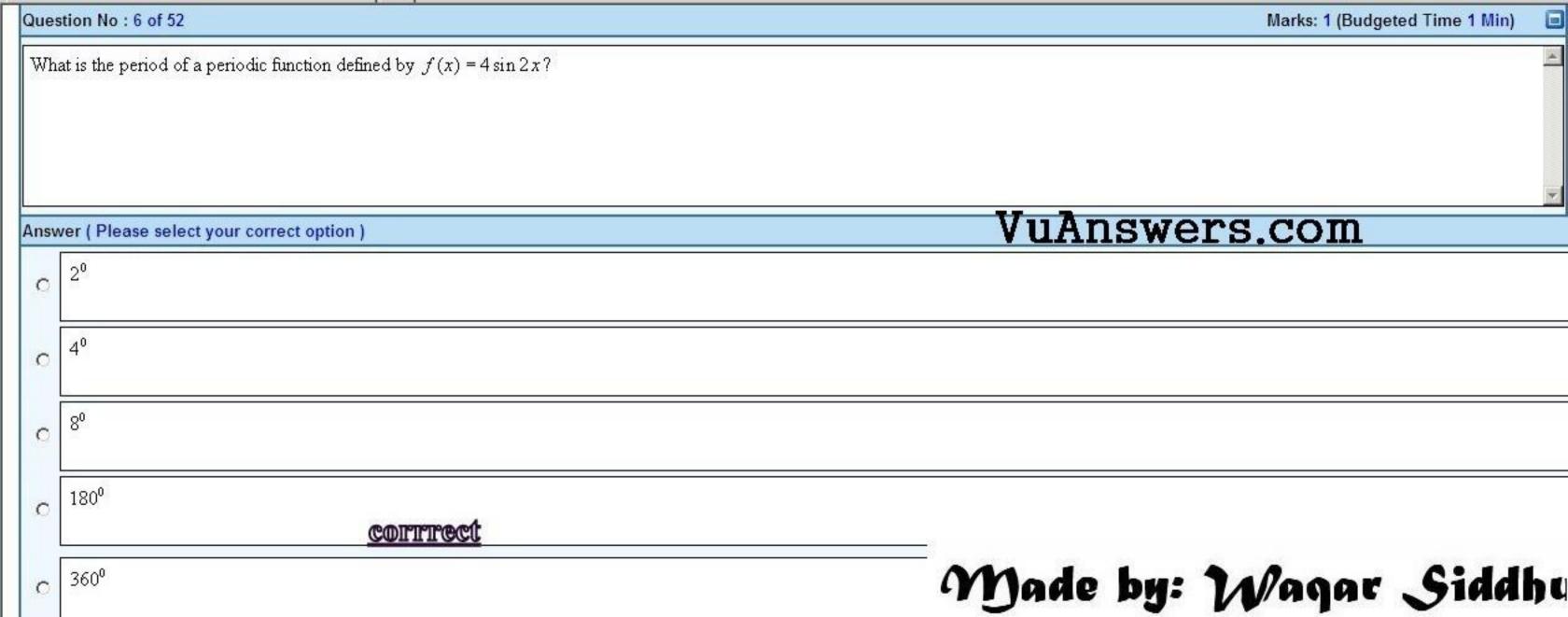
Question No: 3 of 52

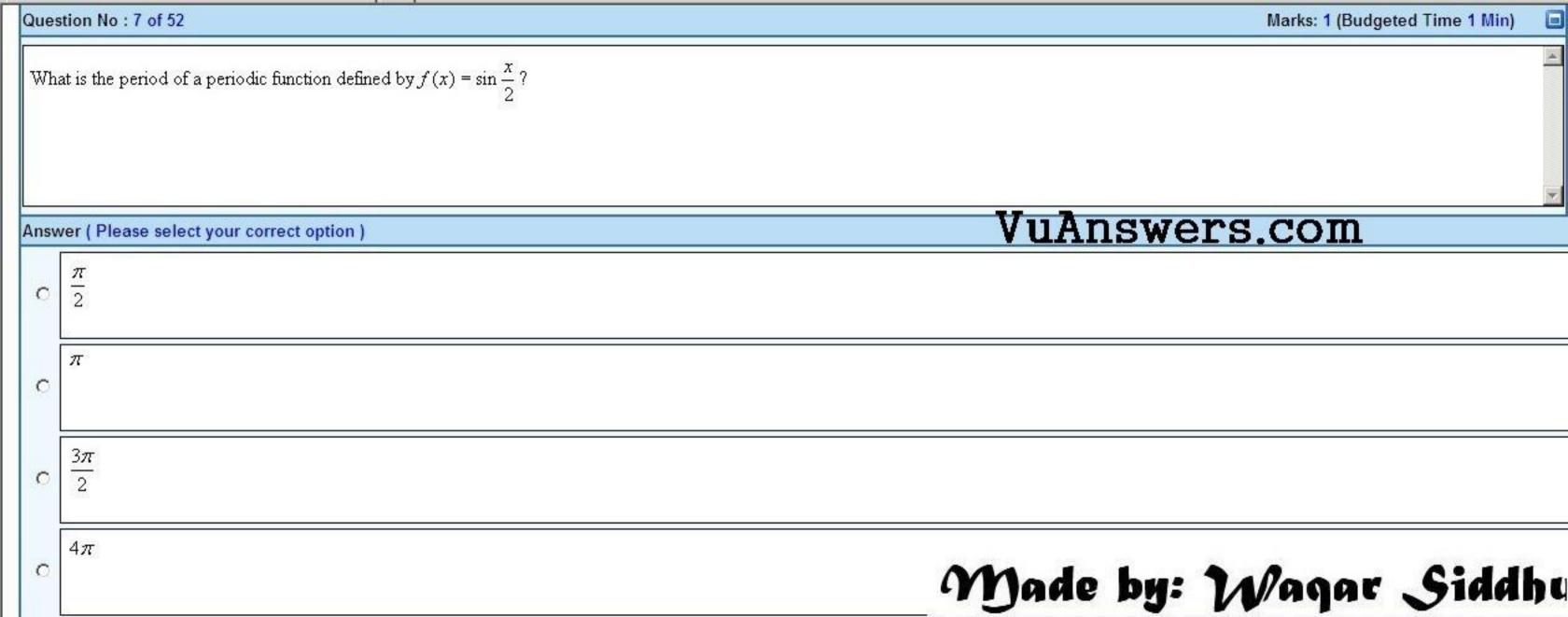
Marks: 1 (Budgeted Time 1 Min)

 $\int \left[(3t-1)i + \sqrt{t} j \right] dt = \left[\frac{3}{2}t - t \right] i + \left[\frac{2}{3}t^{2} \right] j + C$ $\int \left[(3t-1)\hat{i} + \sqrt{t} \hat{j} \right] dt = \left(\frac{3}{2}t^{2} - t \right) \hat{i} + \left(\frac{1}{2}t^{\frac{3}{2}} \right) \hat{j} + C$ Thade by: Wagar Siddhu

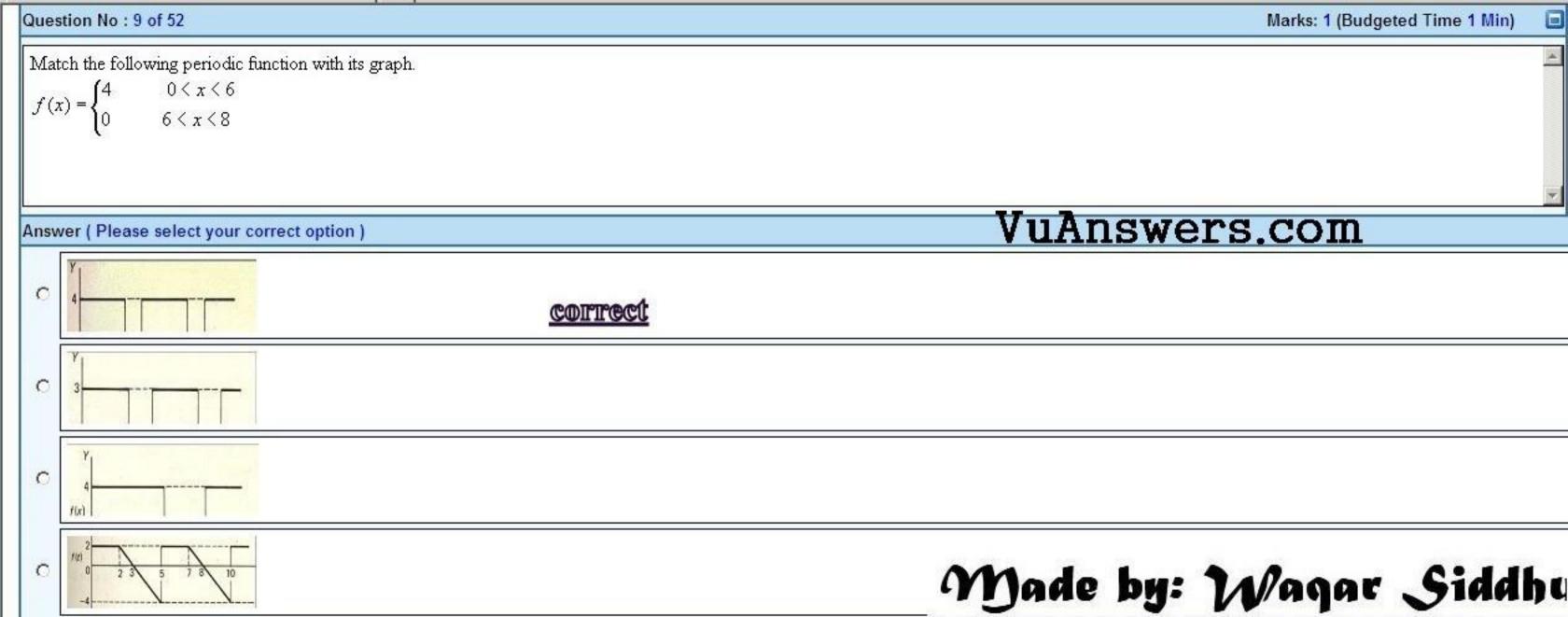


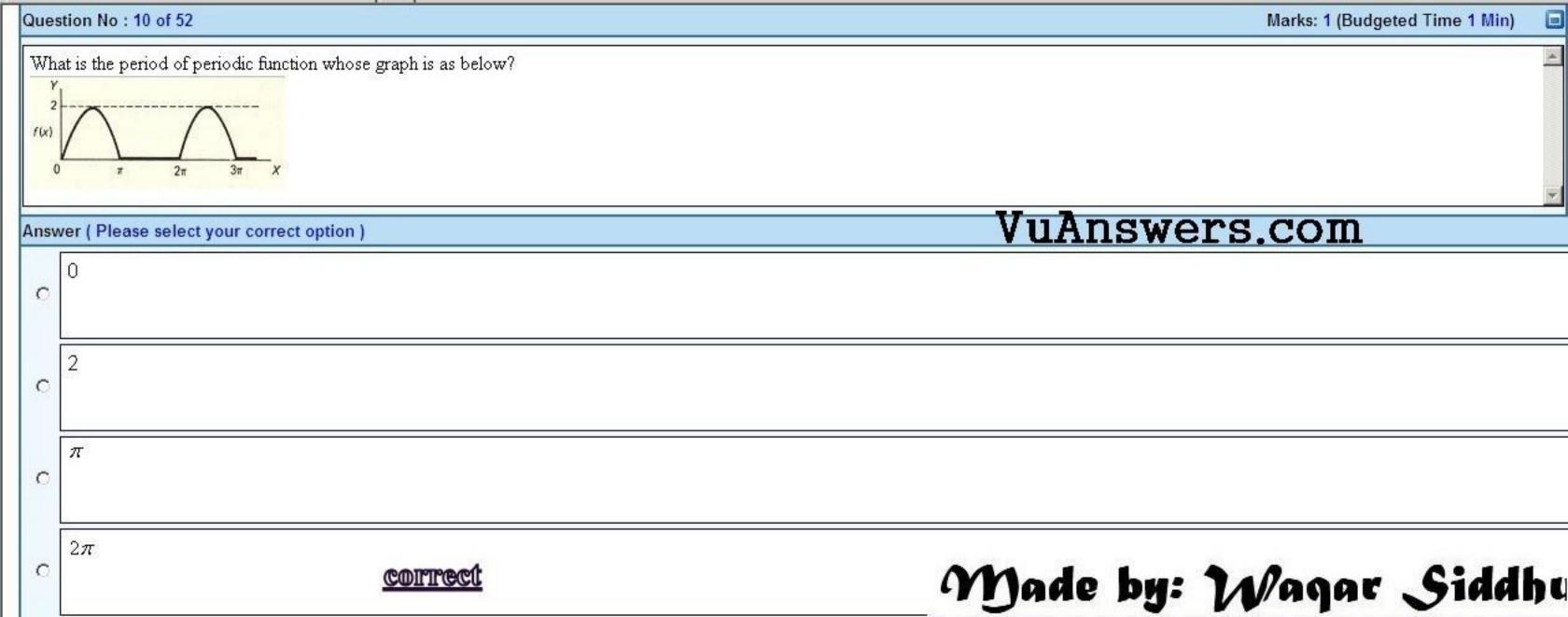














Question No: 12 of 52

Let
$$L$$
 denotes the Laplace Transform

If $L(F(t)) = f(s)$ where s is a constant and $\lim_{t \to 0} \left(\frac{F(t)}{t} \right)$ exists then which of the following equation holds?

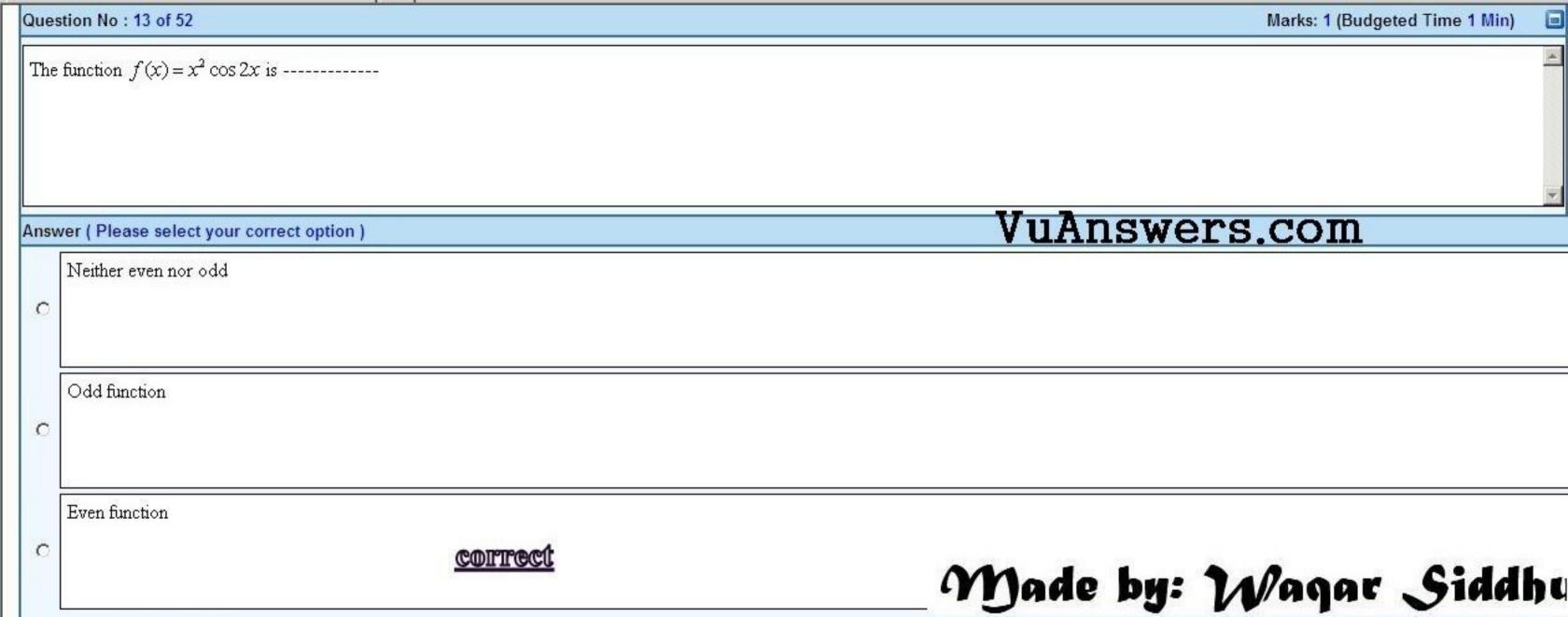
Answer (Please select your correct option)

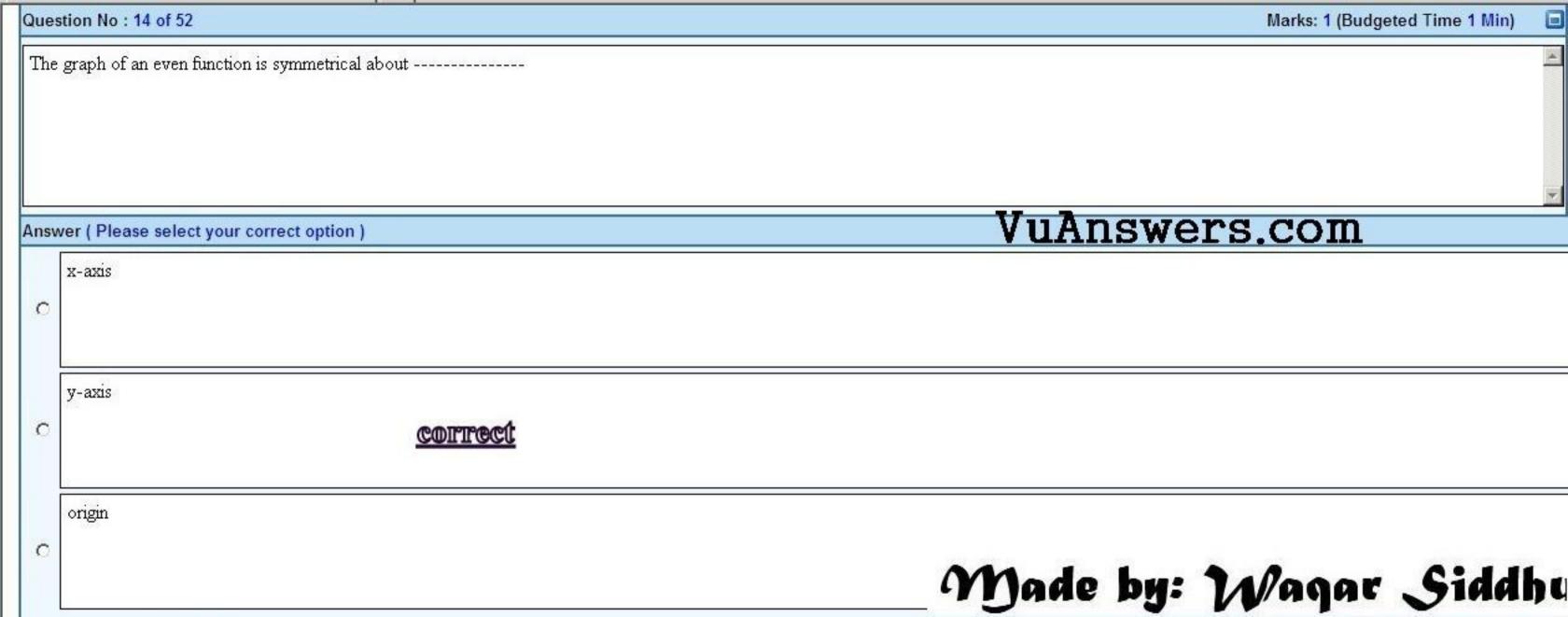
 C $L\left(\frac{F(t)}{t} \right) = f(s + a)$
 C $L\left(\frac{F(t)}{t} \right) = f(s - a)$
 C $L\left(\frac{F(t)}{t} \right) = f(s)$
 C $L\left(\frac{F(t)}{t} \right) = f(s)$

Correct

 C $L\left(\frac{F(t)}{t} \right) = \frac{d}{ds}(f(s))$

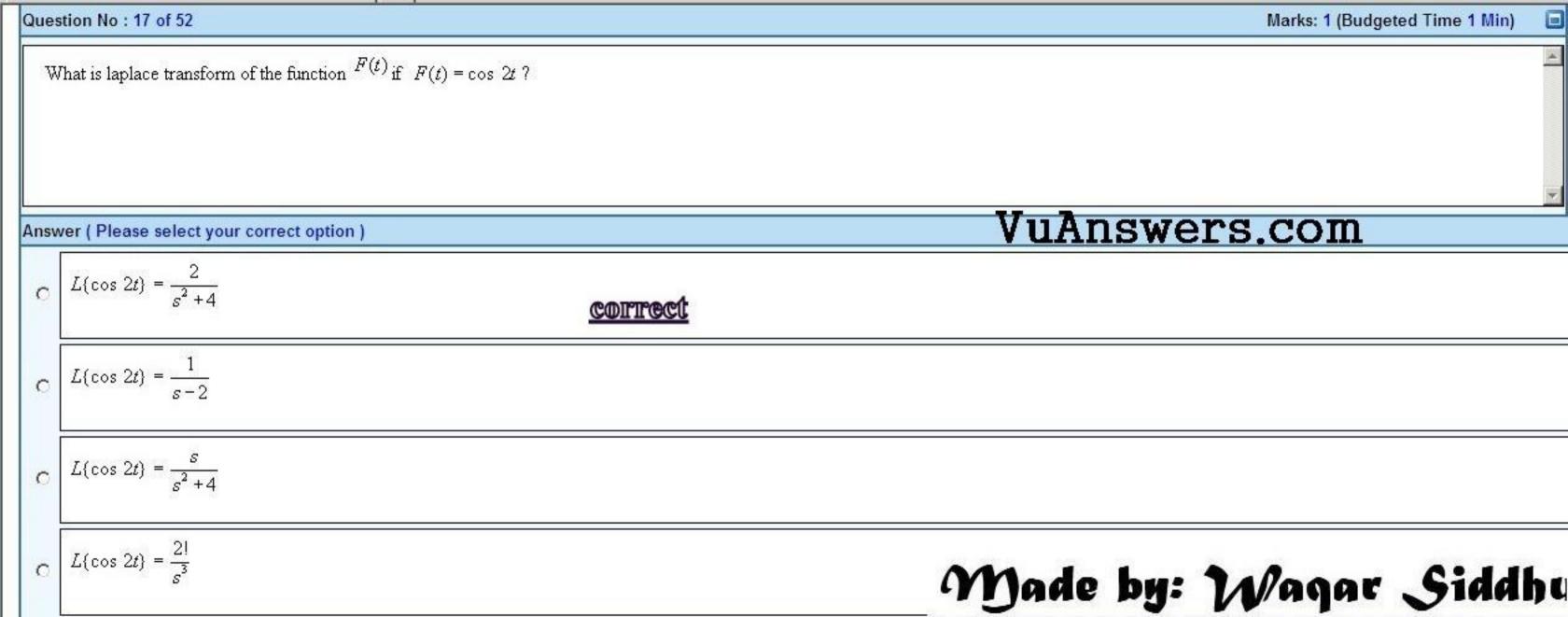
Yinade by: Wagar Siddhu







Question No : 16 of 52	Marks: 1 (Budgeted Time 1 Min)
Sign of line integral is reversed when	
Answer (Please select your correct option)	VuAnswers.com
path of integration is divided into parts.	
path of integration is parallel to y-axis.	
direction of path of integration is reversed.	correct
path of integration is parallel to x-axis.	
С	Made by: Wagar Siddhu



Question No: 18 of 52

What is Laplace Inverse Transform of
$$\frac{5}{s^2+25}$$

Answer (Please select your correct option)

$$C \quad L^1\left\{\frac{5}{s^2+25}\right\} = \sin 5t$$

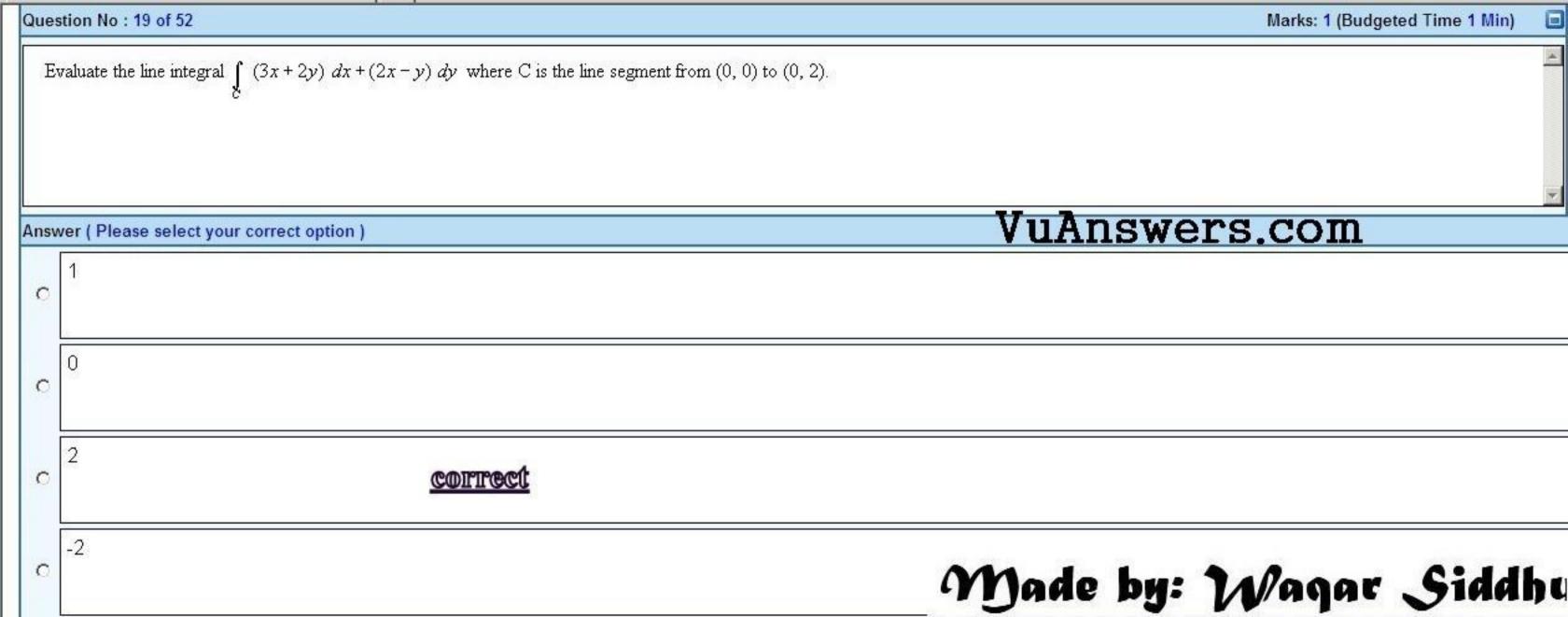
$$C \quad L^1\left\{\frac{5}{s^2+25}\right\} = \cos 5t$$

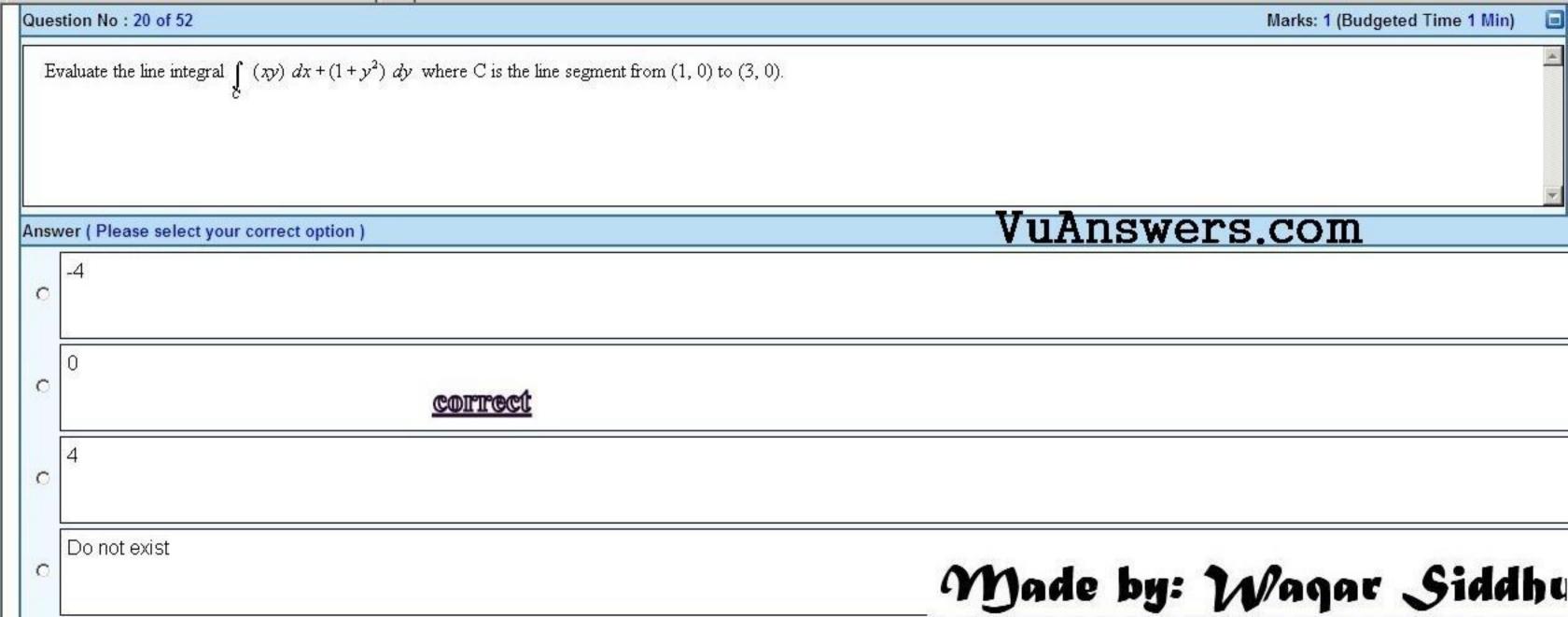
$$C \quad L^1\left\{\frac{5}{s^2+25}\right\} = \sin 25t$$

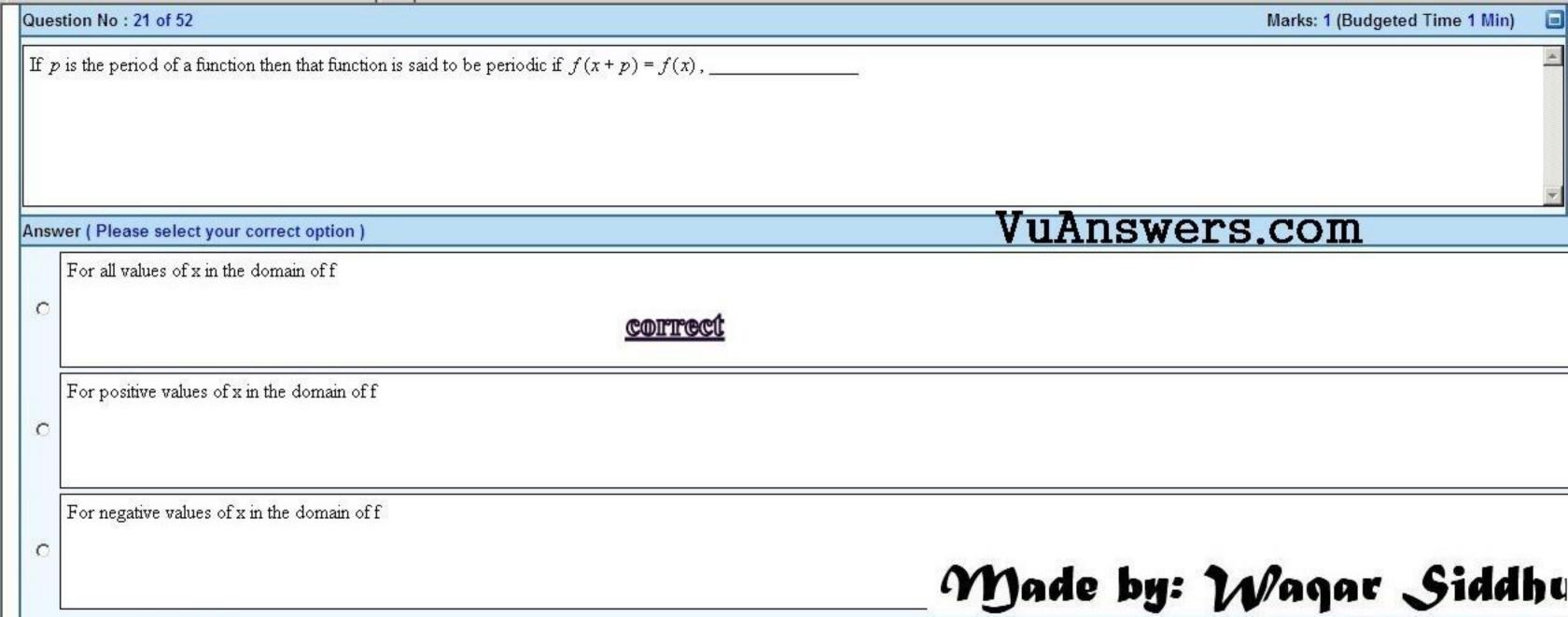
C
$$L^1\left\{\frac{5}{s^2+25}\right\} = \cos 25t$$

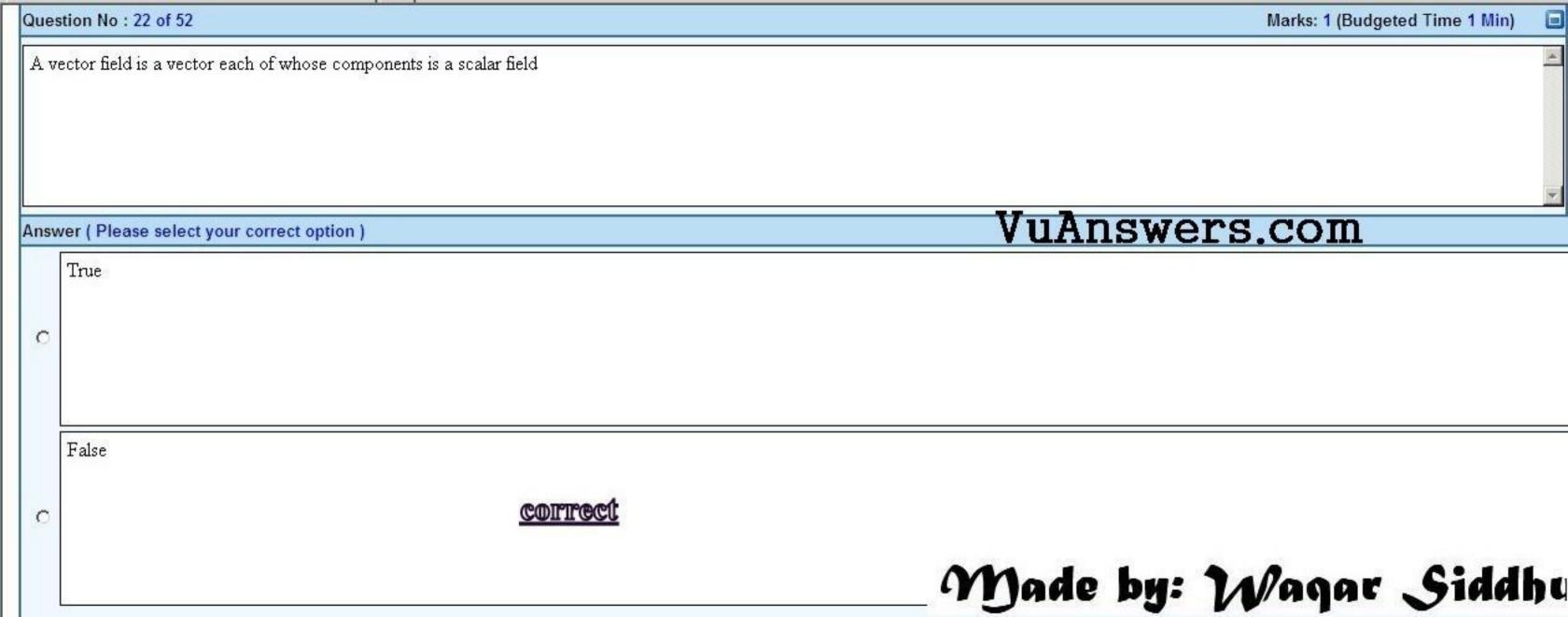
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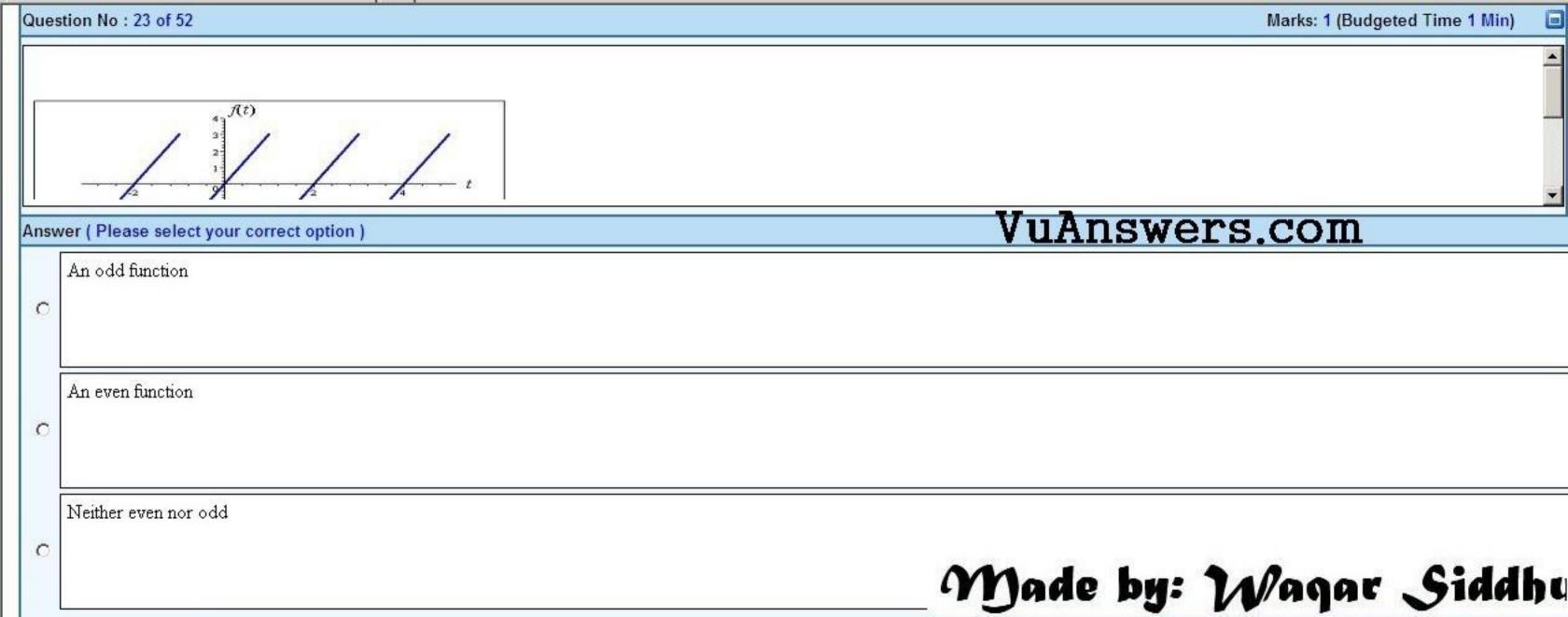
The property of the property



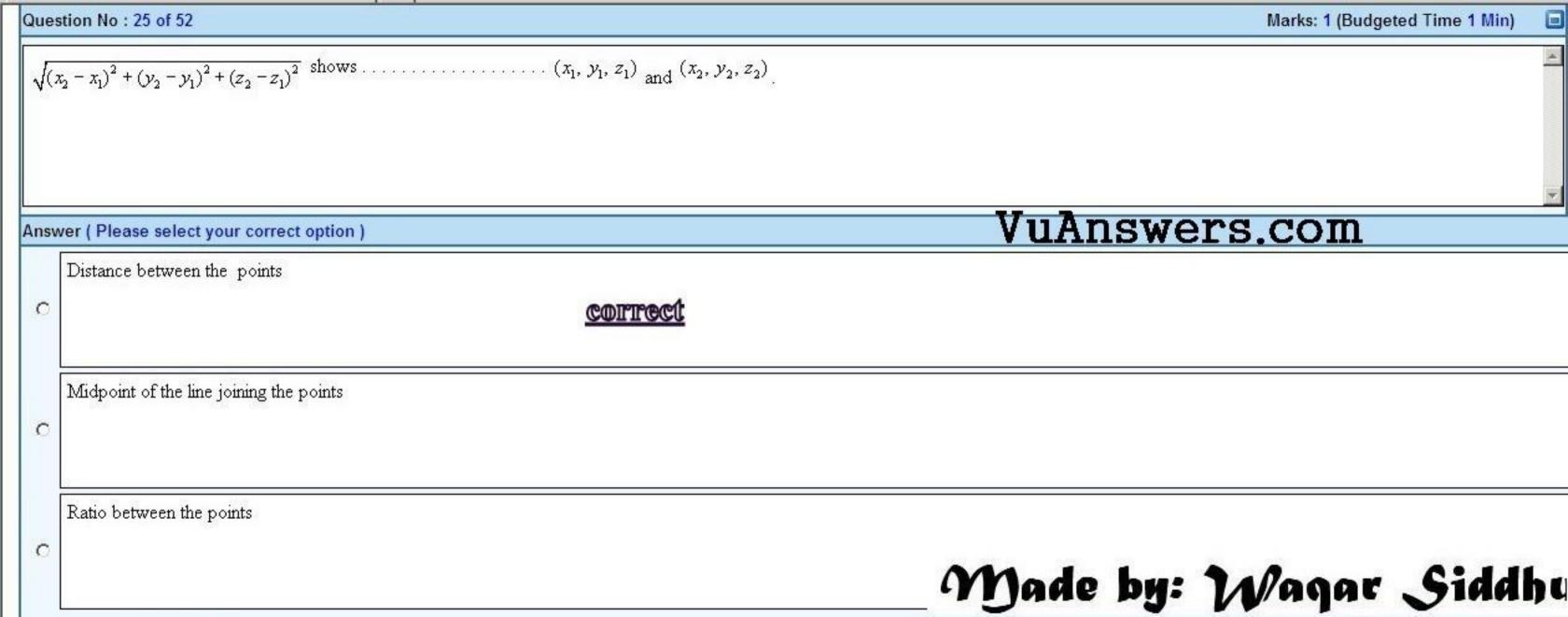


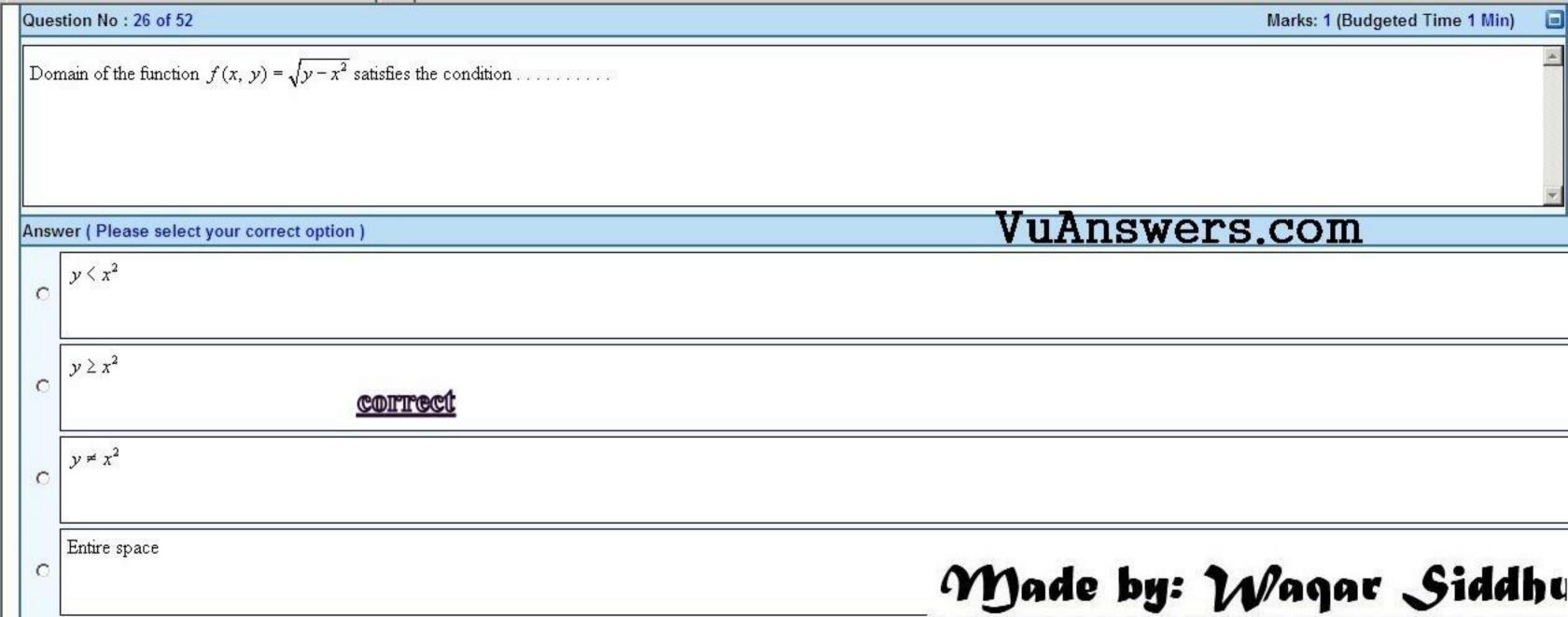


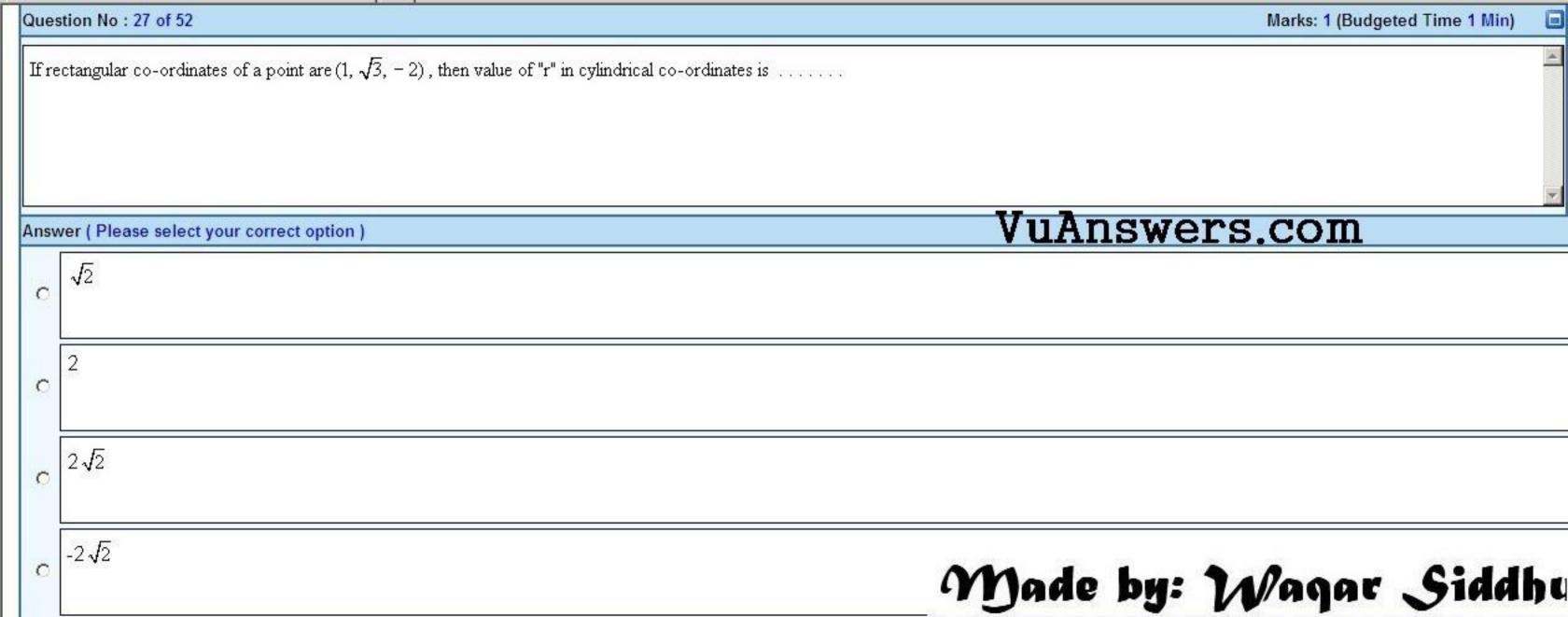




	Ques	Marks: 1 (Bu	udgeted Time 1 Min)
	Whi	hich of the following set is the union of sets of rational and irrational numbers?	
	Answ	swer (Please select your correct option) VuAnswers.Com	
	c	Set of rational numbers	
	c	Set of integers	
	c	Set of real numbers	
		correct	
	O	Empty set. Made by: Waga	r Siddh







Question No: 28 of 52

Suppose
$$f(x, y) = x^3 e^{y}$$
. Which of the following options is correct?

Answer (Please select your correct option)

VuAnswers.com

$$\frac{\partial f}{\partial y} = 3x^3 e^{y}$$

$$\frac{\partial f}{\partial y} = x^3 e^{y}$$
Correct

$$\frac{\partial f}{\partial y} = x^3 e^{y}$$
Correct

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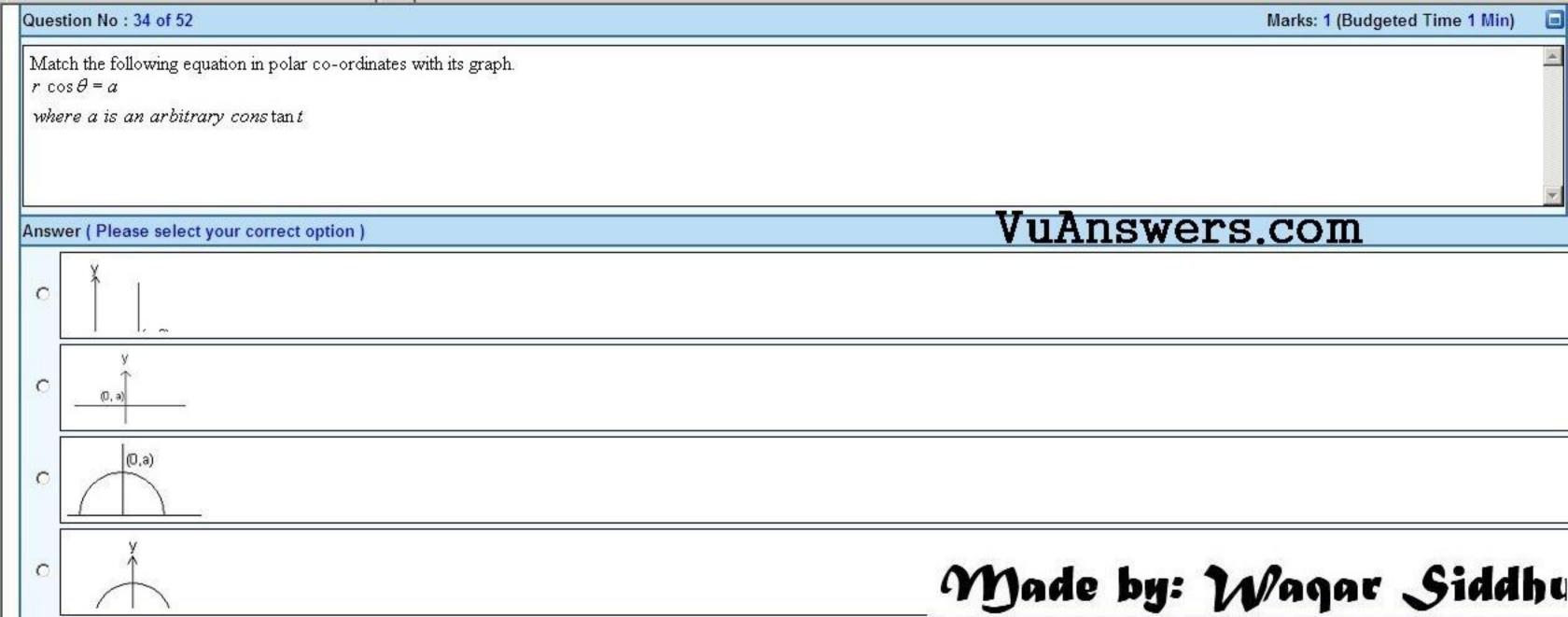
) Kar-	Question No: 29 of 52	Marks: 1 (Budgeted Time 1 Min)
	The function decreases most rapidly in the direction of	
	Answer (Please select your correct option)	VuAnswers.com
	C -√f Correct	
	c	
	C $\nabla f imes \hat{u}$	
		Made by: Waqar Siddhu

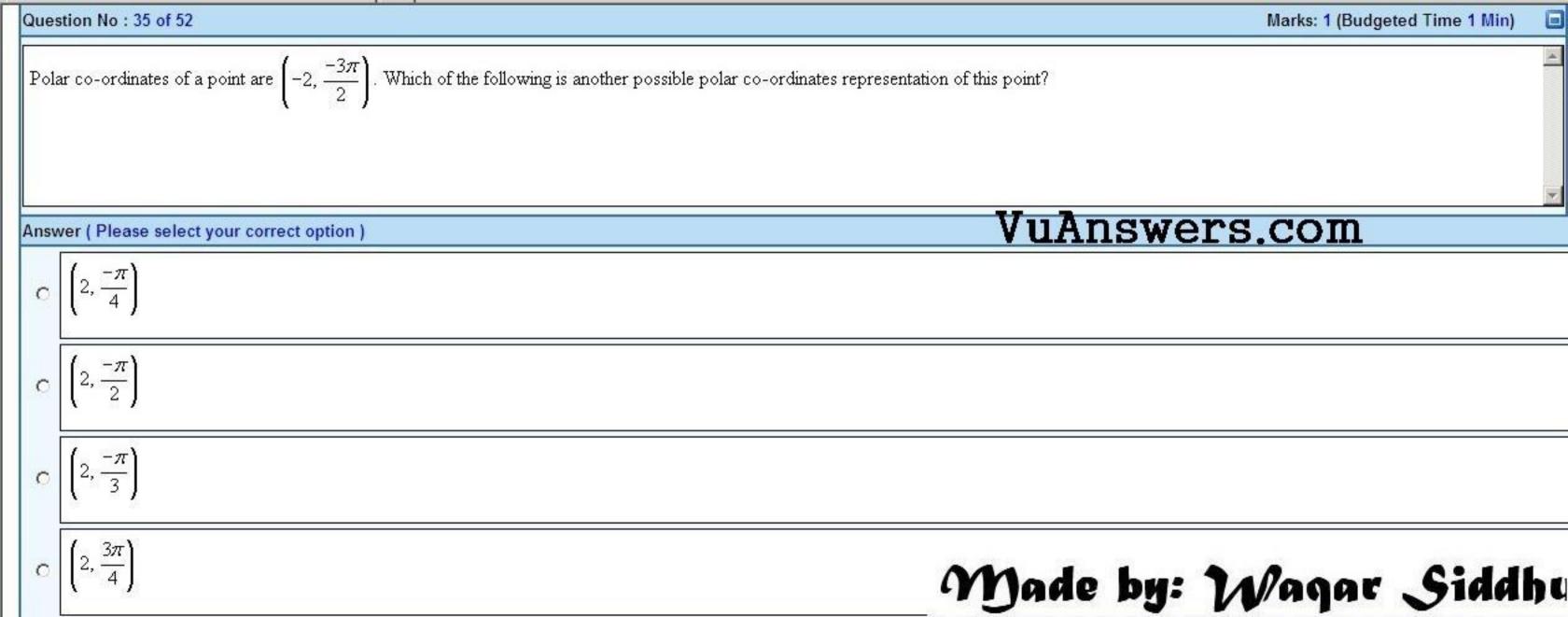
P. Salver	Ques	estion No : 30 of 52 Mark	s: 1 (Budgeted Time 1 Min)	0
	Two	o surfaces are said to be orthogonal at the point of their intersection if their normals at that point are		<u>*</u>
	Answ	wer (Please select your correct option) VuAnswers.Co	om	
	c	Parallel		
	0	Perpendicular		
		<u>corrrect</u>		
	c	In opposite direction		
	С	Overlapping Made by: Wa	gar Sidd	h u

Question No : 31 of 52	Marks: 1 (Budgeted Time 1 Min)
For a function $f(x,y)$ to have both absolute maximum and minimum, it must be Continuous on set R.	
Answer (Please select your correct option) VuAns	wers.com
a closed and bounded an open and bounded C	
a closed and unbounded	
an open and unbounded Myade b	y: Waqar Siddhu

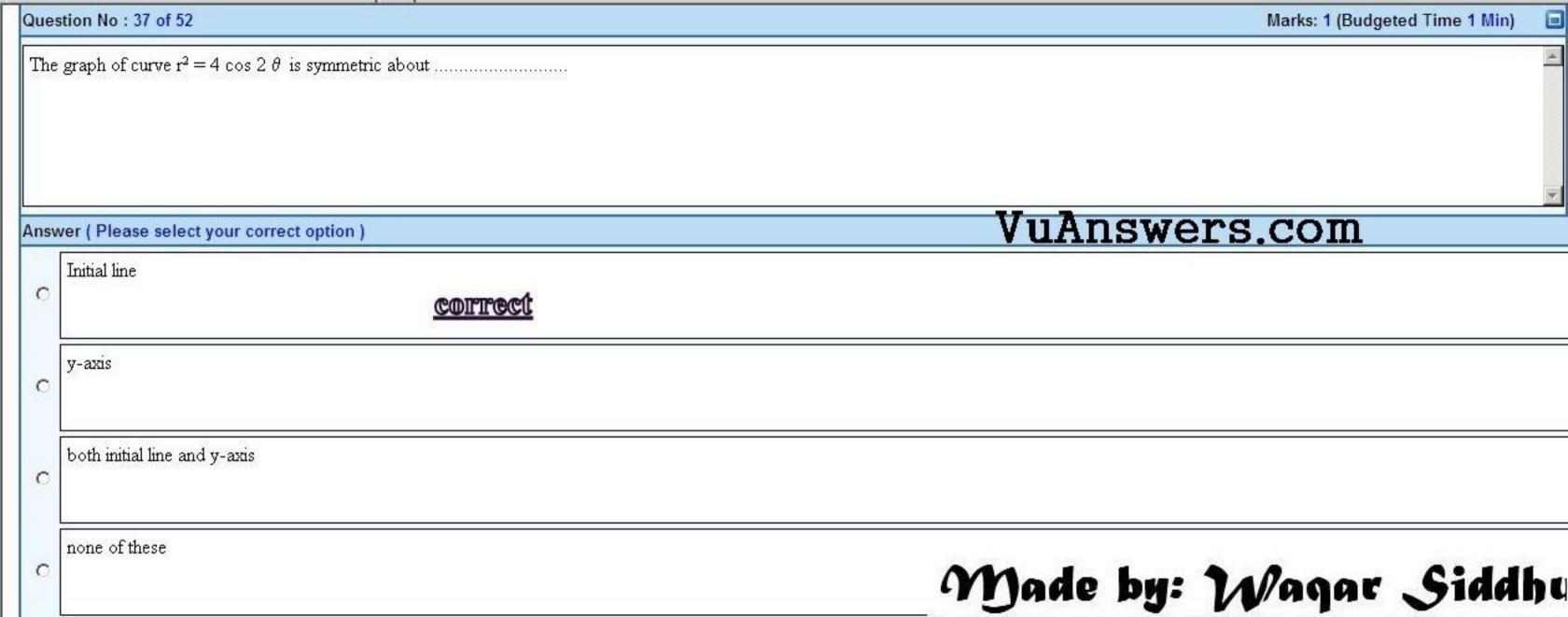


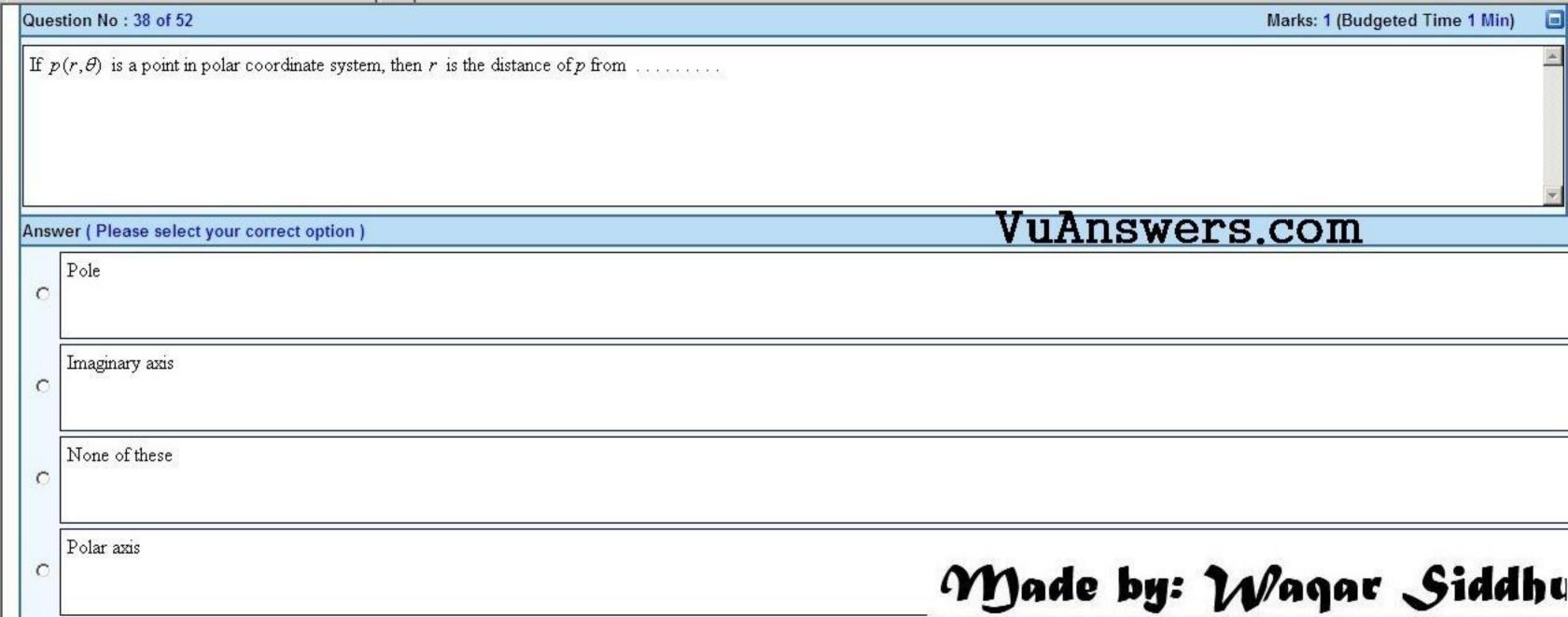
Question No: 33 of 52	Marks: 1 (Budgeted Time 1 Min)	
Let R be a closed region in two dimensional space then the double integral over R calculates		4
Answer (Please select your correct option) VuAnswer	ers.com	1 Property
C Area of R		
Radius of inscribed circle in R.		
Distance between two endpoints of R.		
None of these None of these	Wagar Siddl	hu



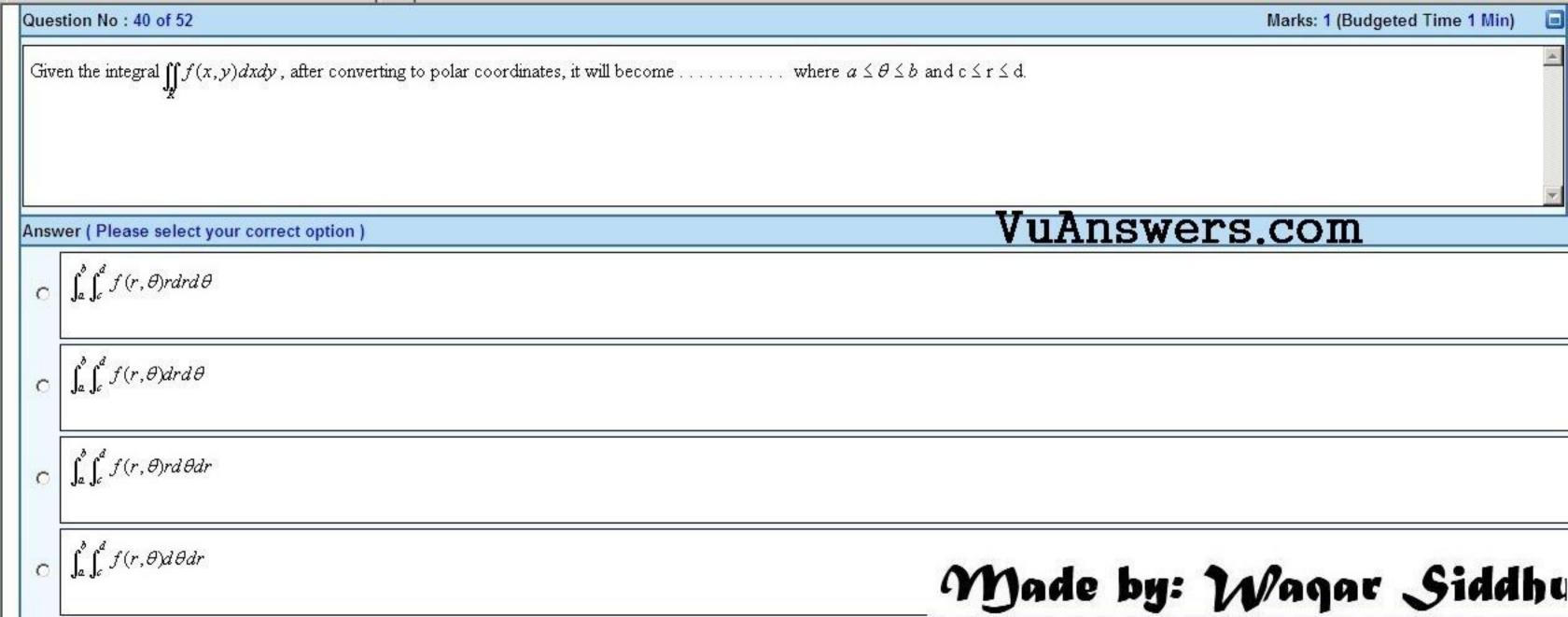


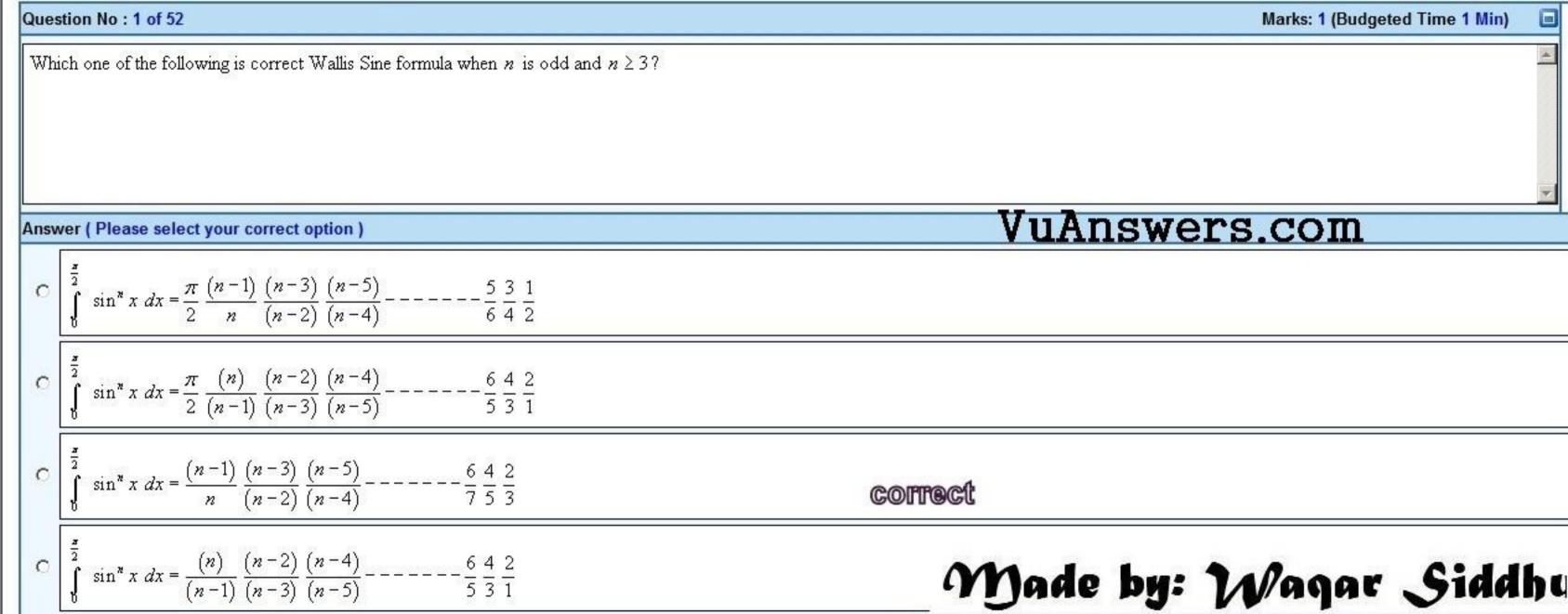
Que	estion No : 36 of 52	Marks: 1 (Budgeted Time 1 Min)	
If	the equation of a curve, in polar co-ordinates, remains unchanged after replacing (r, θ) by $(r, -\theta)$ then the curve is said to be symmetric about		<u>A</u>
Ans	wer (Please select your correct option) VuAnswers	.com	
c	Initial line		
c	y-axis <u>correct</u>		
c	Pole		
0	origin Myade by: 11	Pagar Sidd	hı

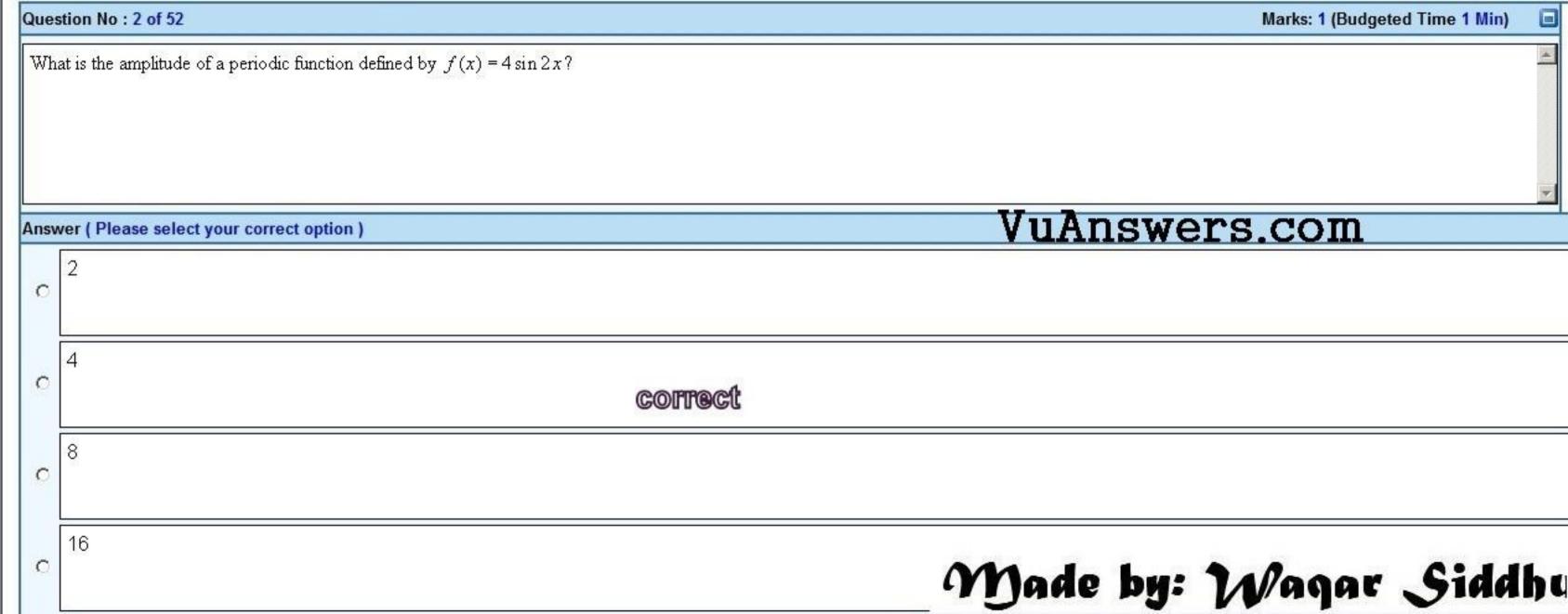


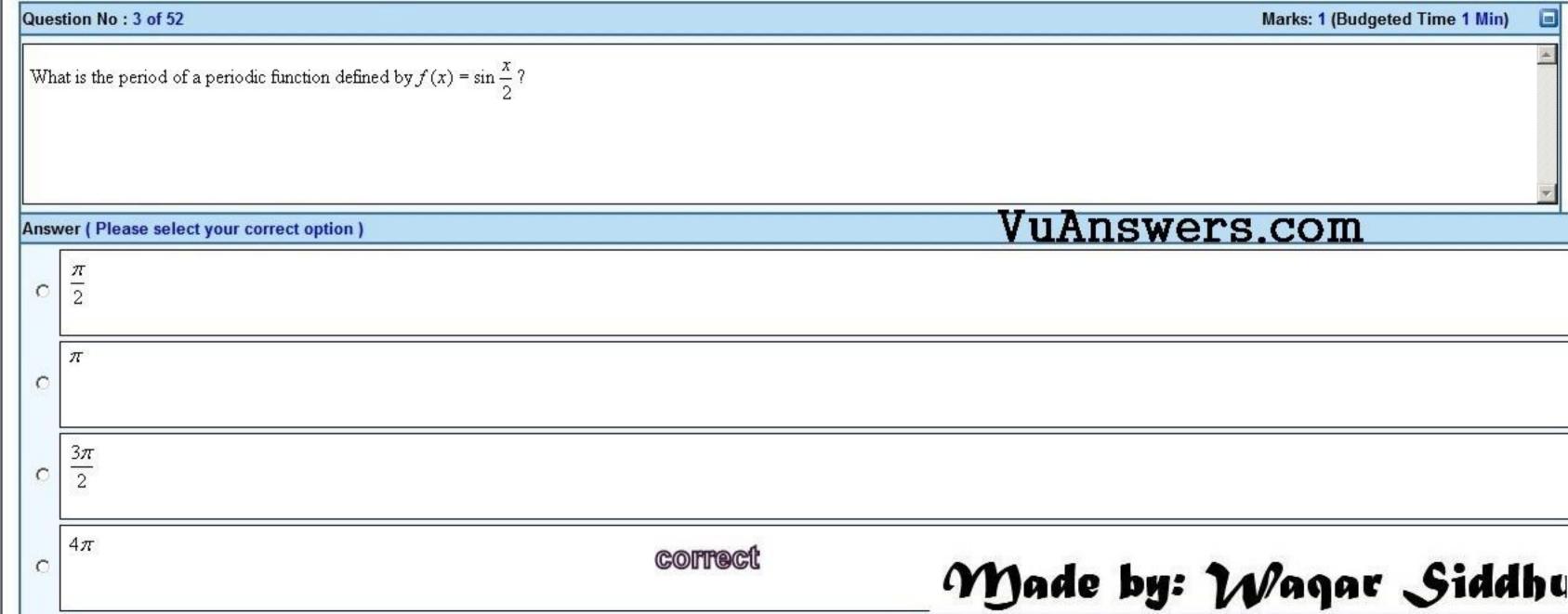


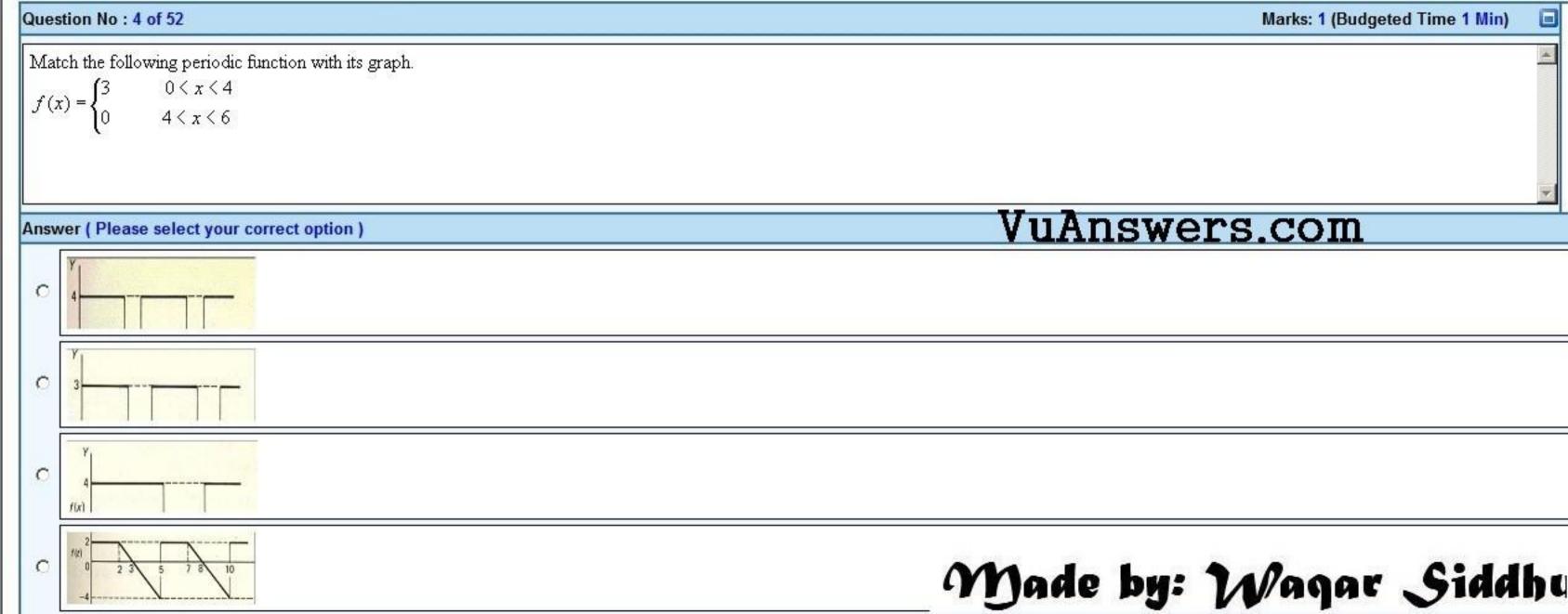
Question No : 39 of 52	Marks: 1 (Budgeted Time 1 Min)
The point $p(0,\theta)$ in polar coordinate system lies on	
Answer (Please select your correct option)	VuAnswers.com
C Polar axis	
y-axis	
Pole	
None of these	Made by: Wagar Siddhu

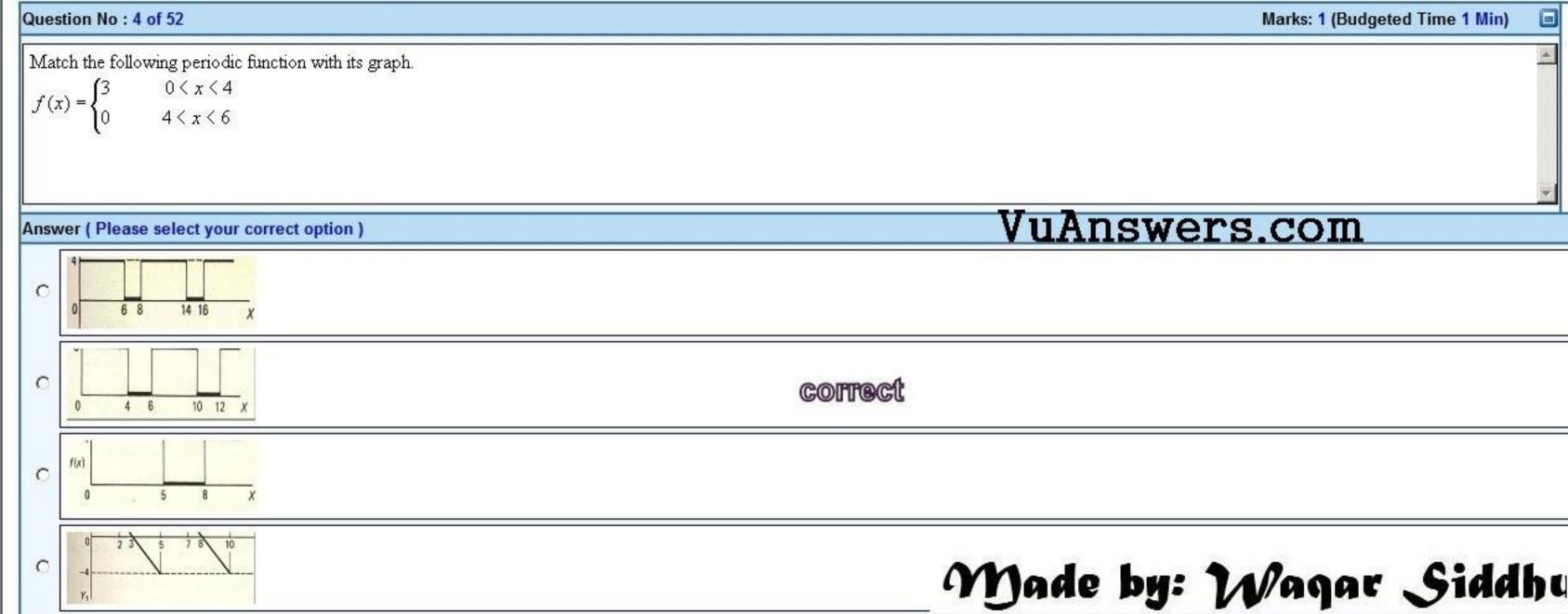


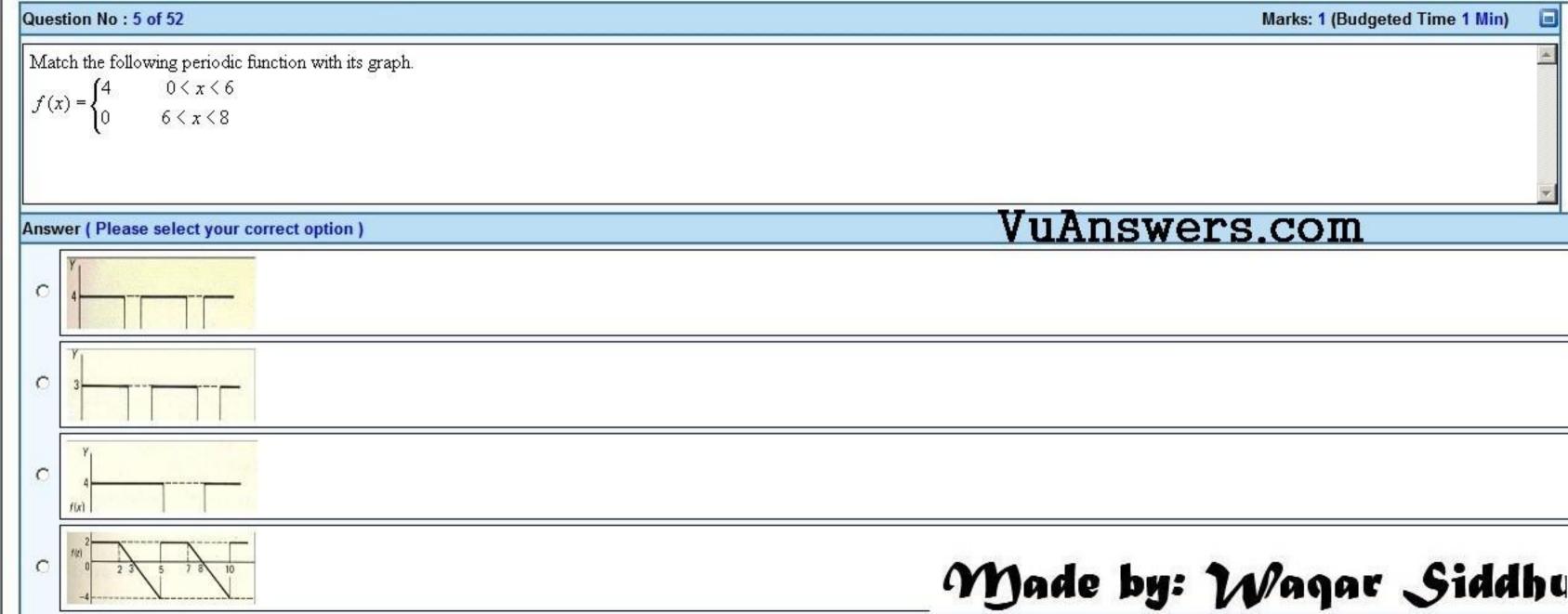


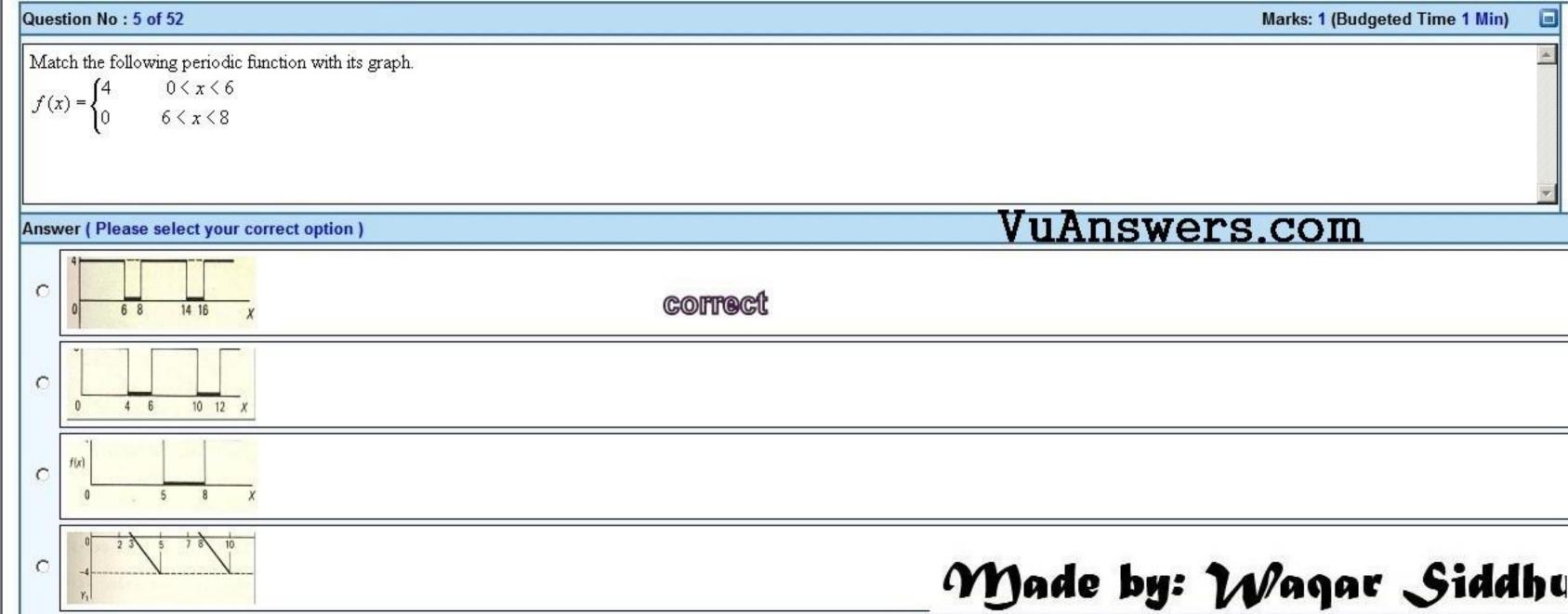


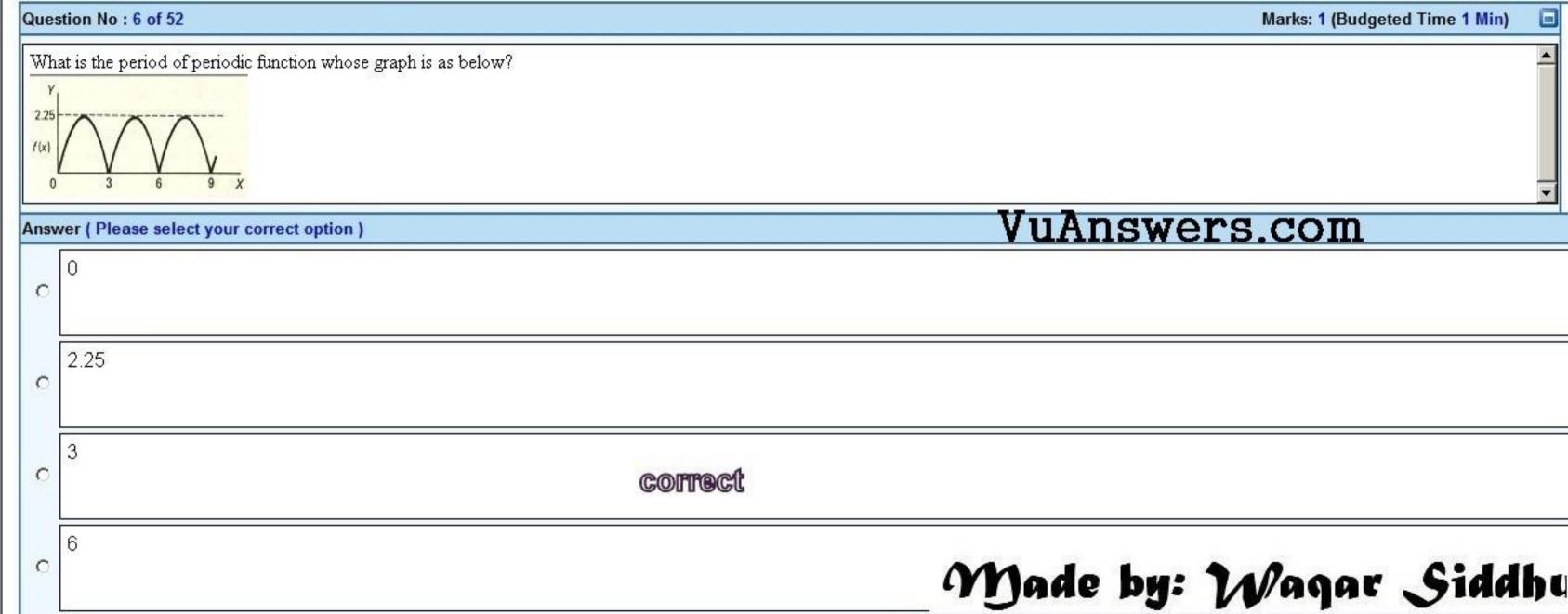


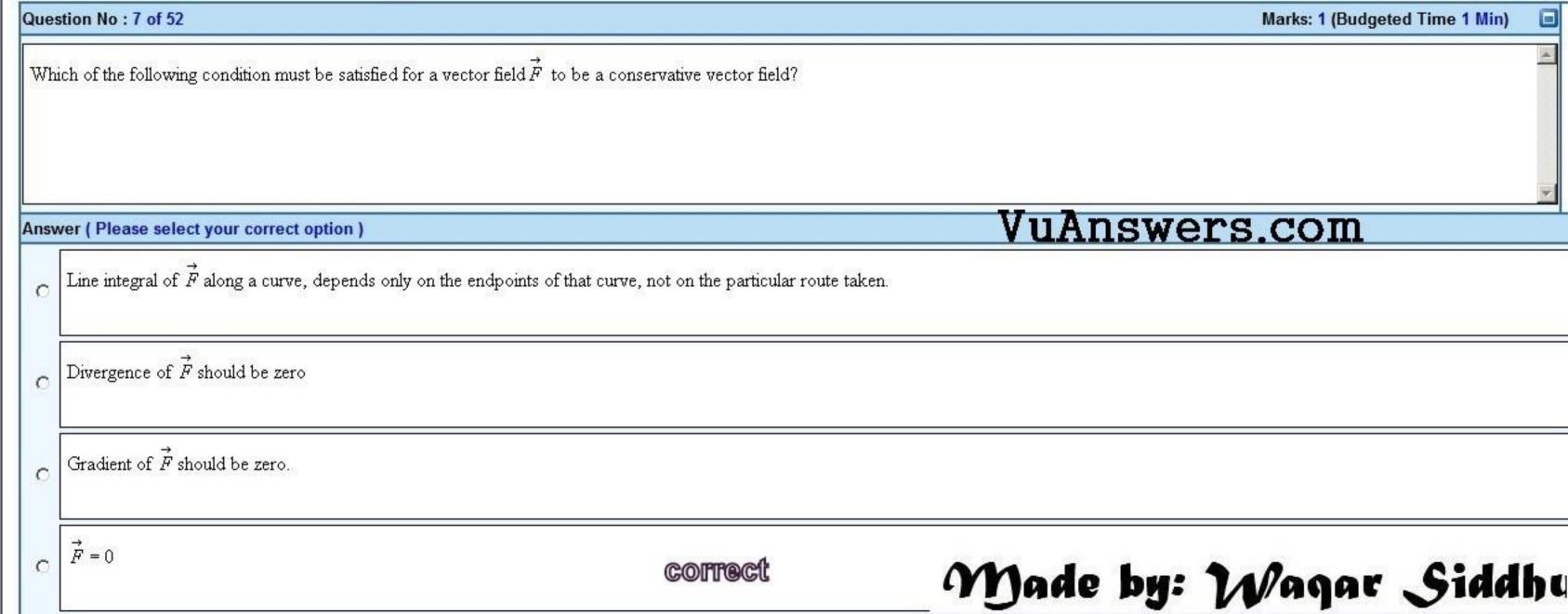


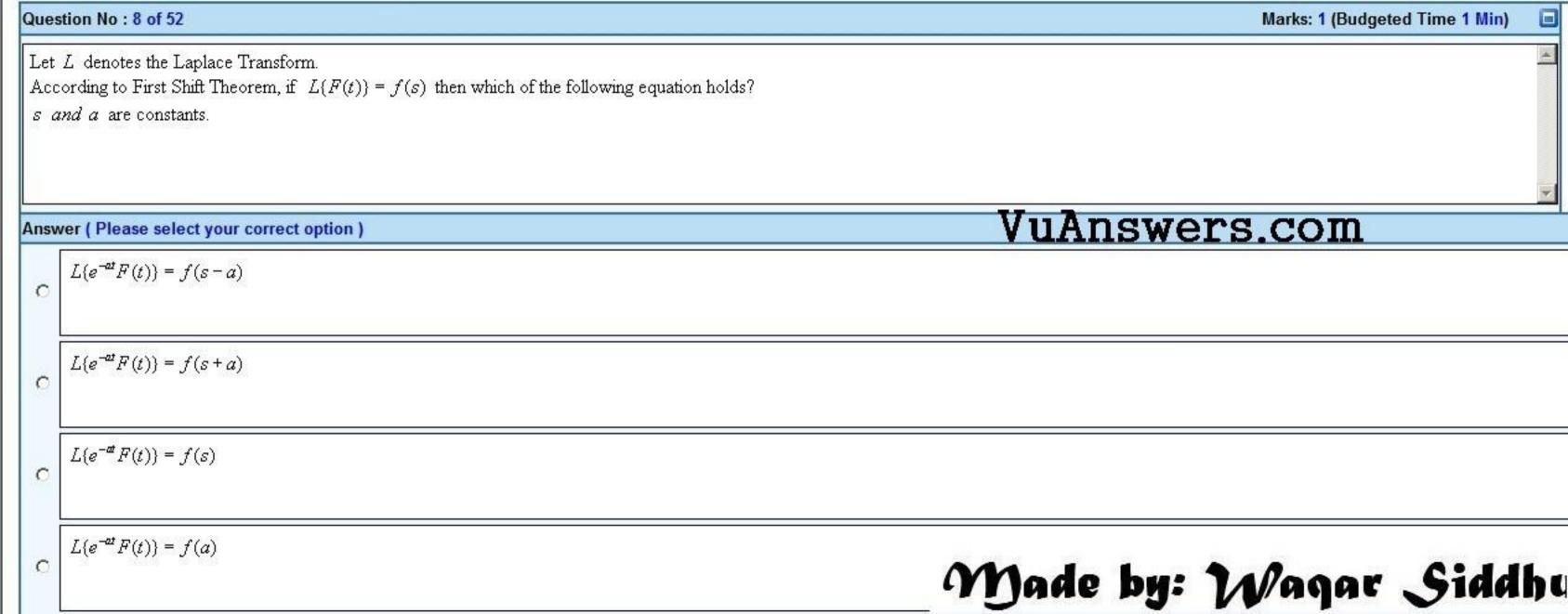


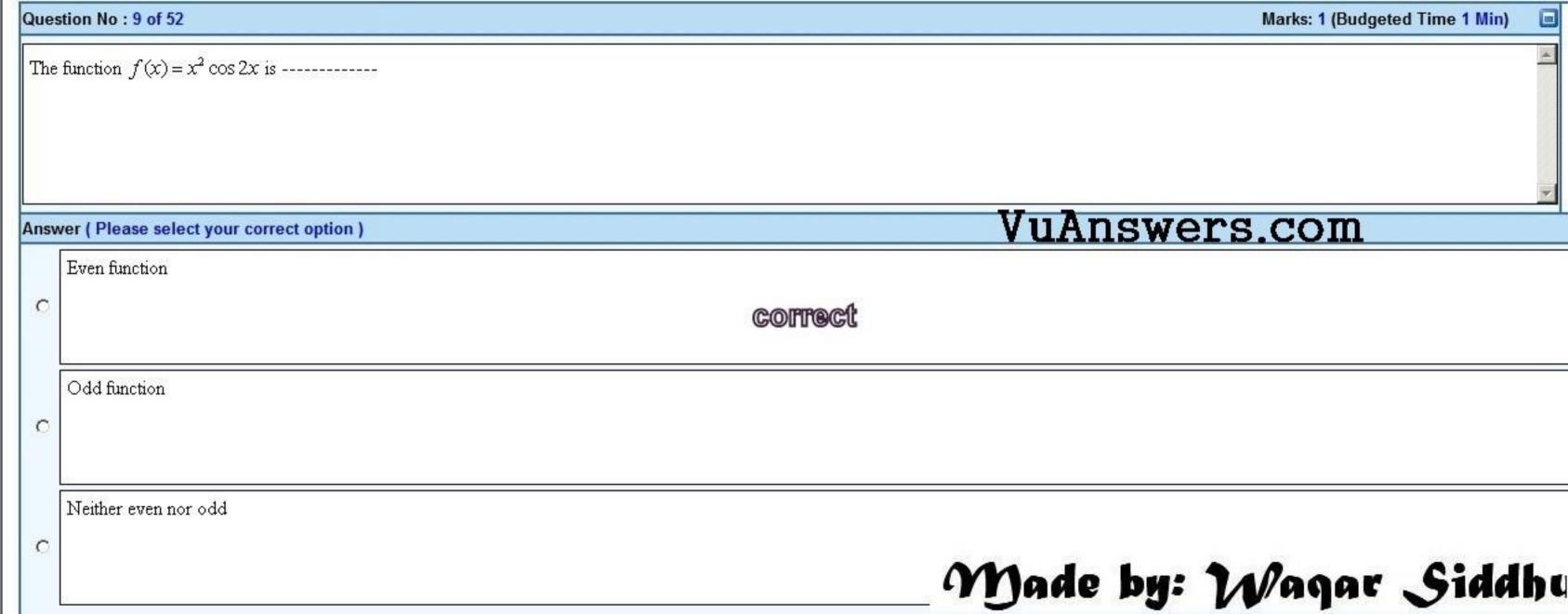


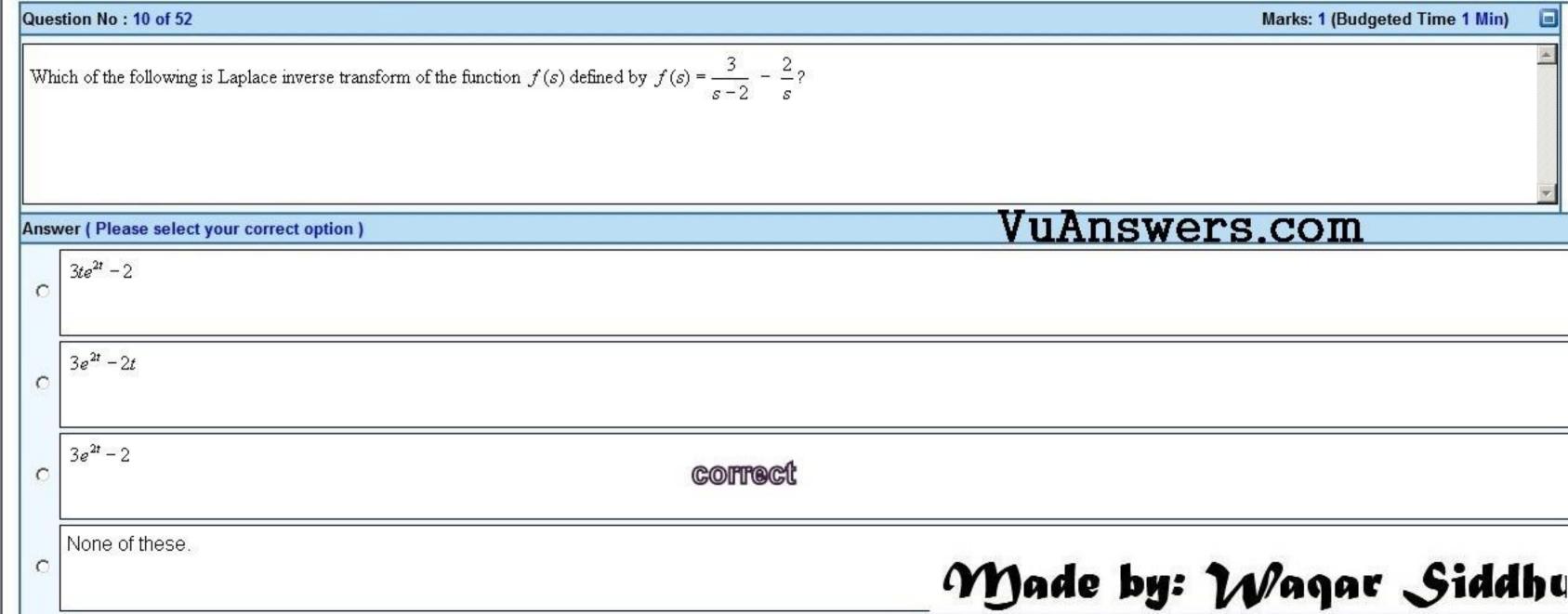


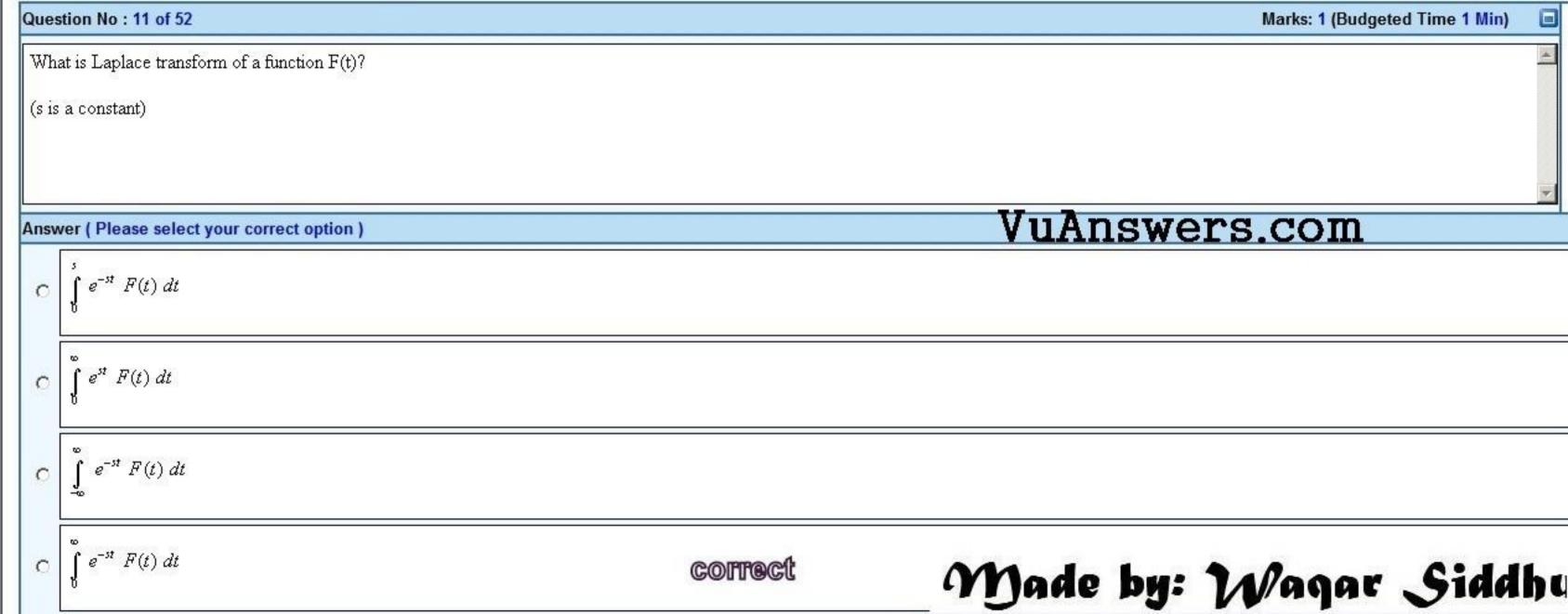












Question No: 12 of 52

What is laplace transform of the function
$$F(t)$$
 if $F(t) = \sin 3t$?

Answer (Please select your correct option)

$$C \quad L(\sin 3t) = \frac{3}{s^2 + 9}$$

$$C \quad L(\sin 3t) = \frac{s}{s^2 + 9}$$

$$C \quad L(\sin 3t) = \frac{1}{s - 3}$$

$$C \quad L(\sin 3t) = \frac{3}{s^4}$$

Of the function of the function $F(t)$ if $F(t) = \sin 3t$?

Of the function of the function $F(t)$ if $F(t) = \sin 3t$?

Of the function of the function $F(t)$ if $F(t) = \sin 3t$?

Of the function of the function $F(t)$ if $F(t) = \sin 3t$?

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Of the function of the function $F(t)$ if $F(t) = \sin 3t$?

Of the function of the function $F(t)$ if $F(t) = \sin 3t$?

Question No: 13 of 52

If
$$L$$
 denotes laplace transform then
$$L(w^3) = \frac{1}{s^2 - 5}$$

Answer (Please select your correct option)

$$C L(w^3) = \frac{1}{s^2 + 5}$$

$$C L(w^3) = \frac{1}{s^2 + 5}$$

$$C L(w^3) = \frac{1}{(s+5)^2}$$

$$C L(w^3) = \frac{1}{(s+5)^2}$$

Correct

Yightham Siddhu

Question No: 14 of 52

What is Laplace Inverse Transform of
$$\frac{s}{s^2 + 25}$$

Answer (Please select your correct option)

$$C \quad L^1\left\{\frac{s}{s^2 + 25}\right\} = \sin 5t$$

$$C \quad L^1\left\{\frac{s}{s^2 + 25}\right\} = \cos 5t$$

Correct

$$C \quad L^1\left\{\frac{s}{s^2 + 25}\right\} = \cos 5t$$

Correct

$$C \quad L^1\left\{\frac{s}{s^2 + 25}\right\} = \cos 25t$$

Yangar Siddhu

Question No: 15 of 52

What is
$$L(-6)$$
 if L denotes Laplace Transform?

Answer (Please select your correct option)

$$C L(-6) = \frac{1}{s+6}$$

$$C L(-6) = \frac{-6}{s^2+36}$$

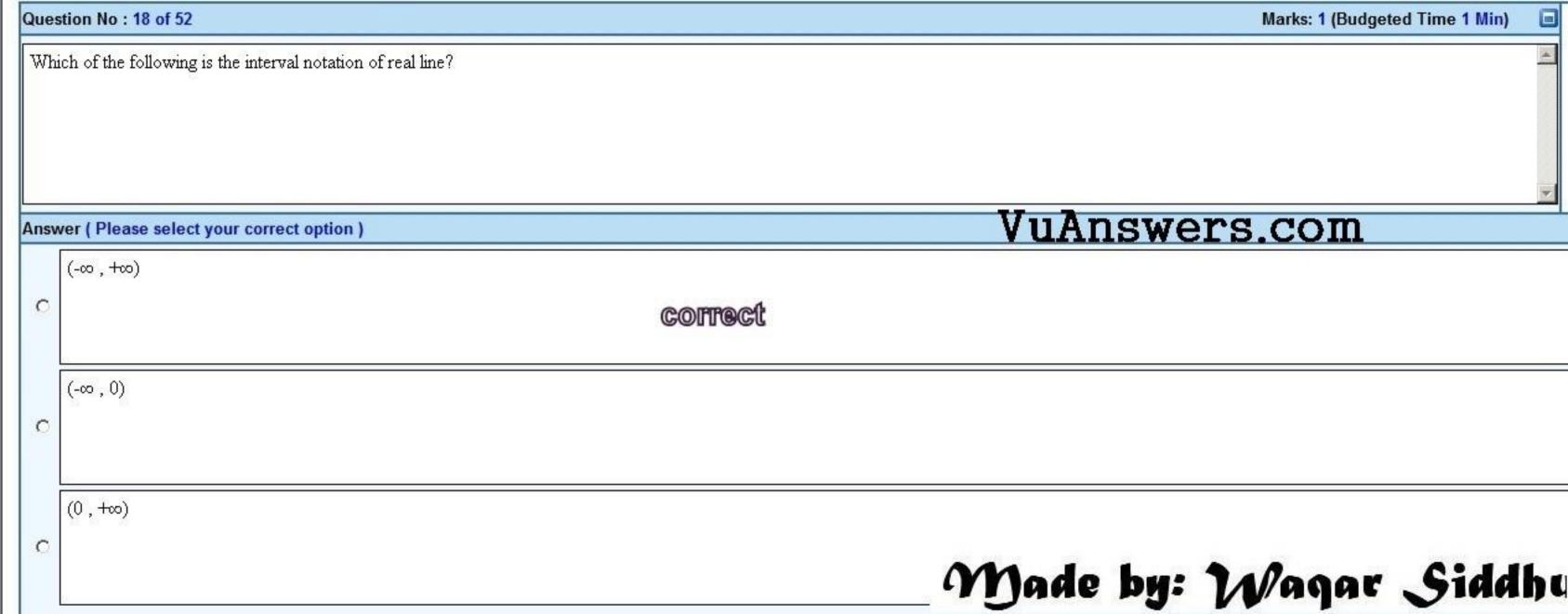
Correct

$$C L(-6) = \frac{-6}{s^2+36}$$

Yes agar Siddhu

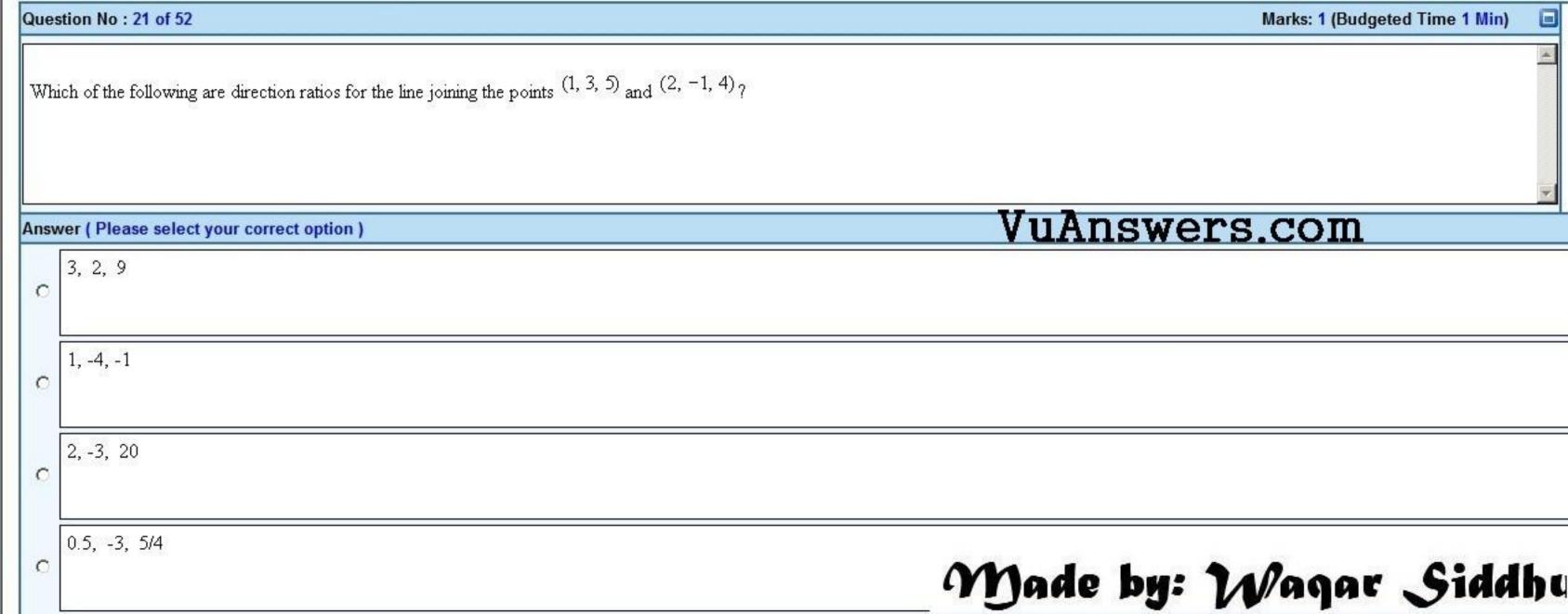


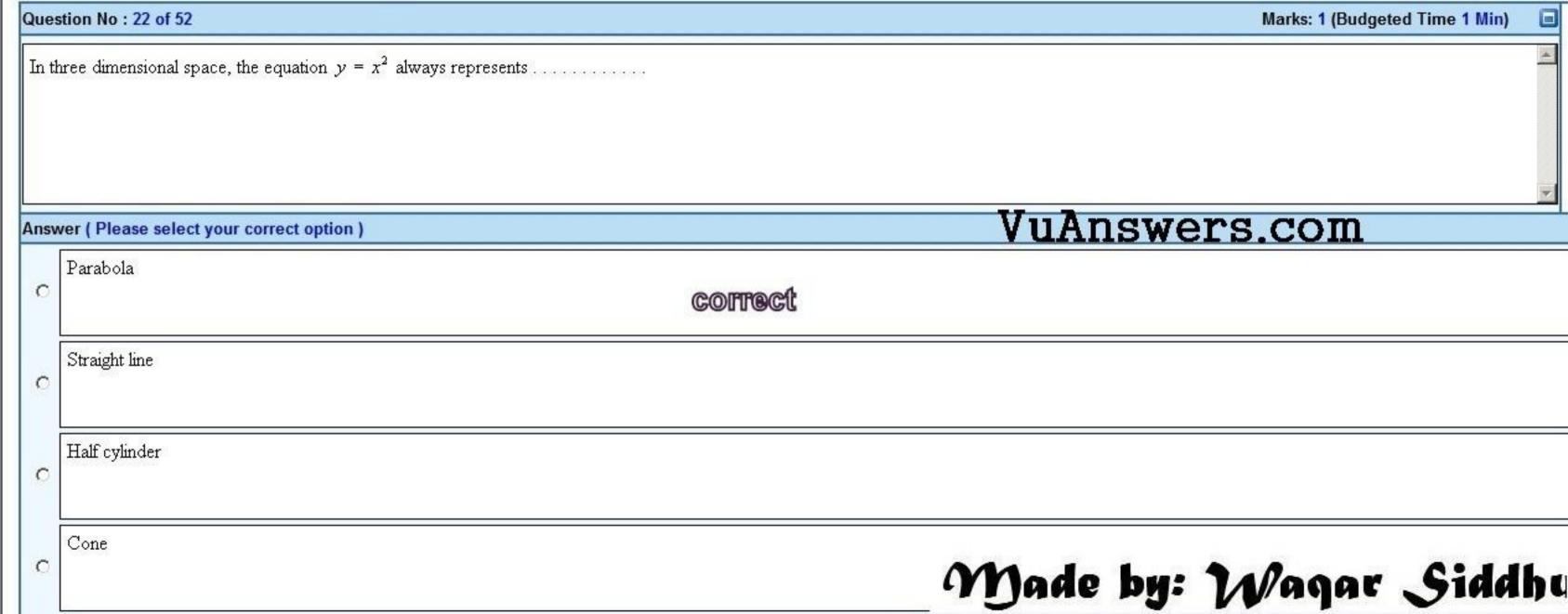
Question No : 17 of 52	Marks: 1 (Budgeted Time 1 Min)
Which of the following is geometrical representation of set of real numbers?	
Answer (Please select your correct option)	VuAnswers.com
Co-ordinate line	
c xy-plane	
Sphere	
Circular cylinder	Made by: Wagar Siddhu

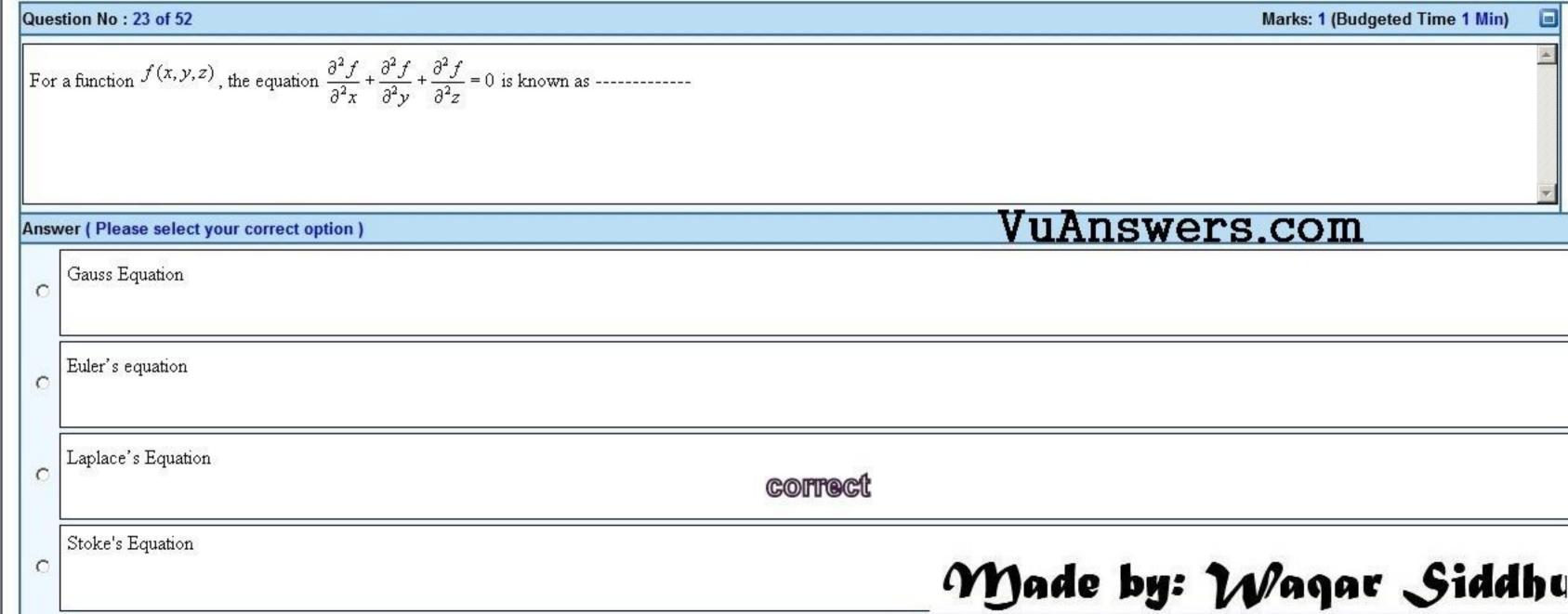


Question No : 19 of 52	Marks: 1 (Budgeted Time 1 Min)
An ordered triple corresponds to in a three dimension	I space.
Answer (Please select your correct option)	VuAnswers.com
A unique point	correct
A point in each octant	
Three points	
Infinite number of points	Made by: Wagar Siddhe



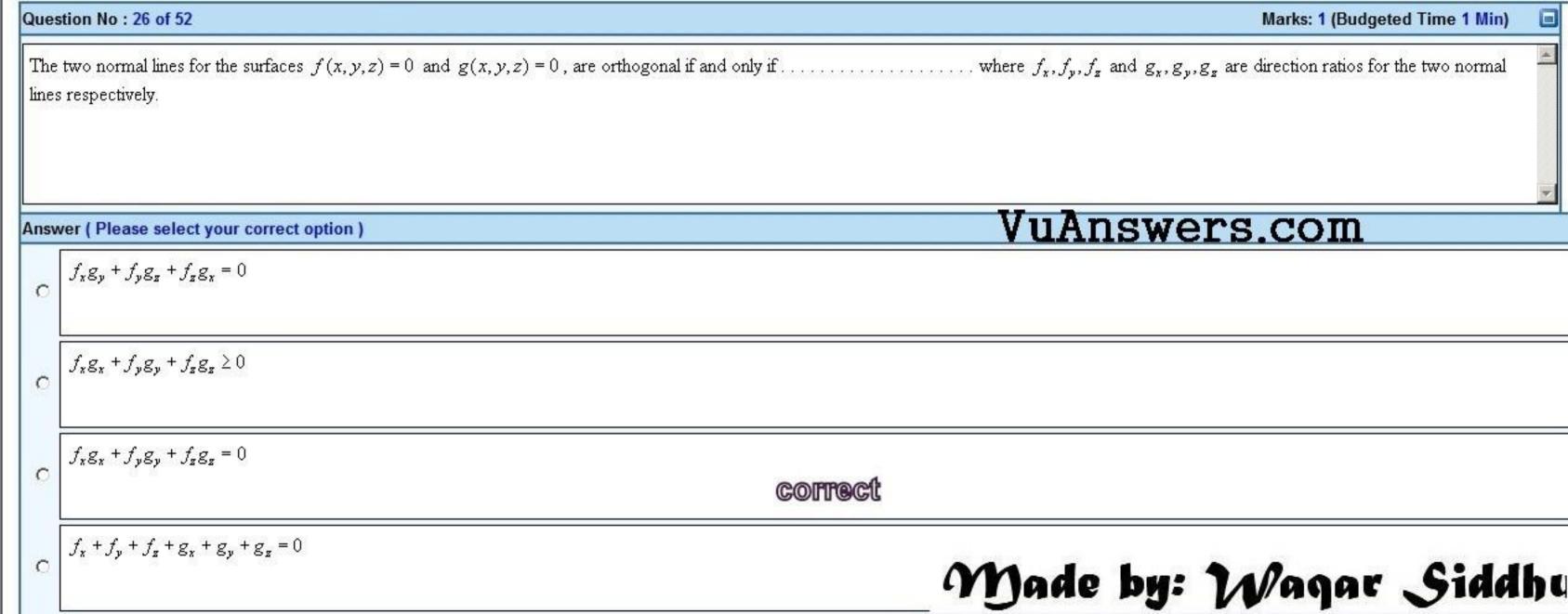


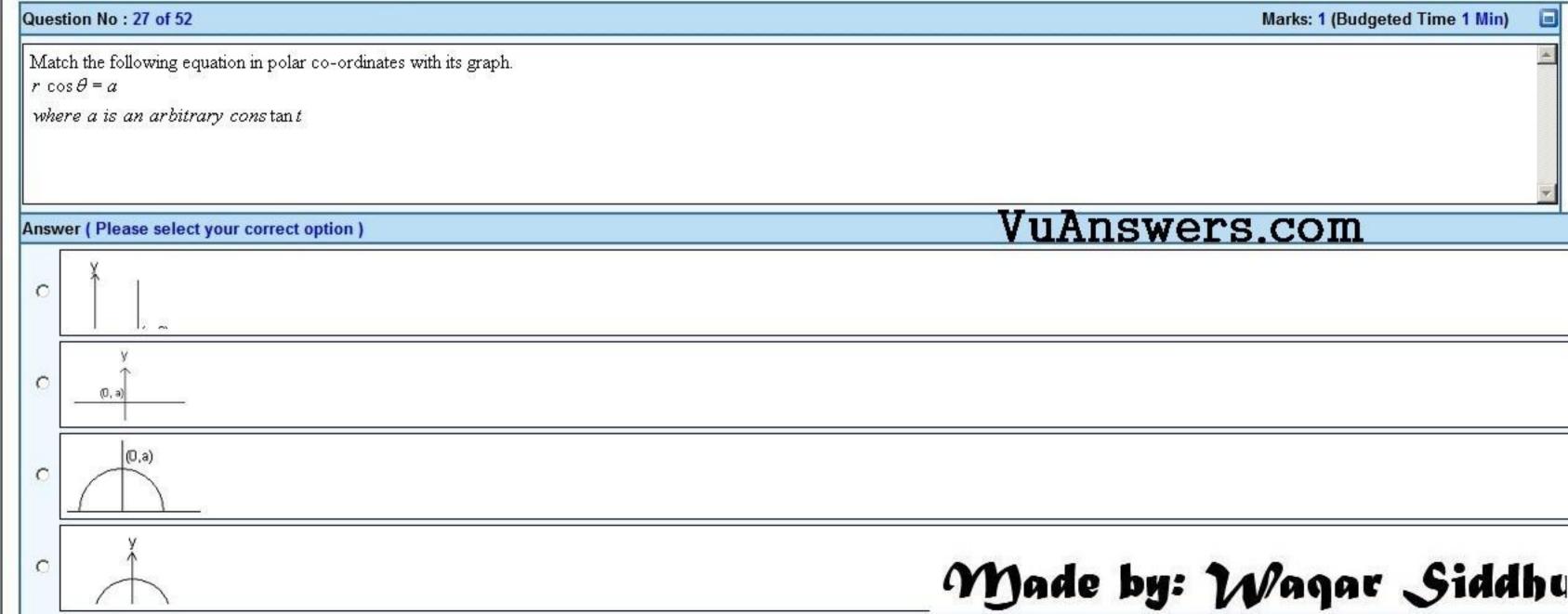


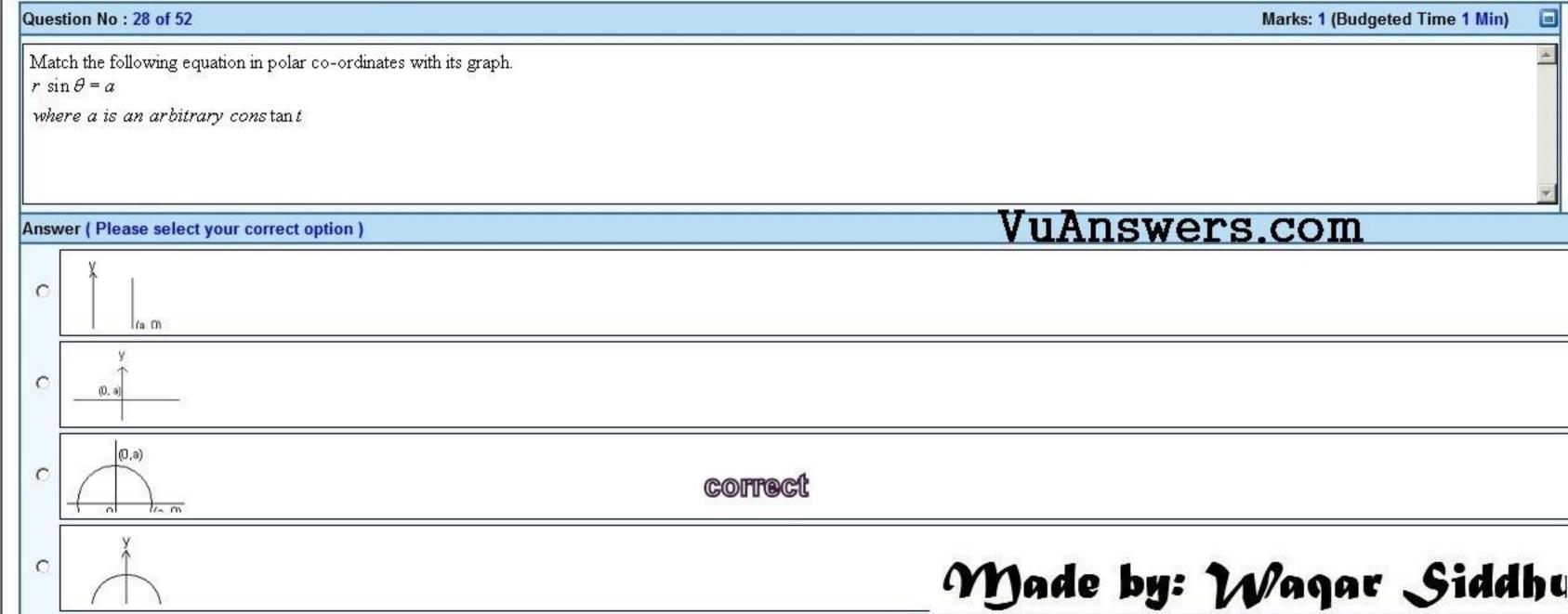


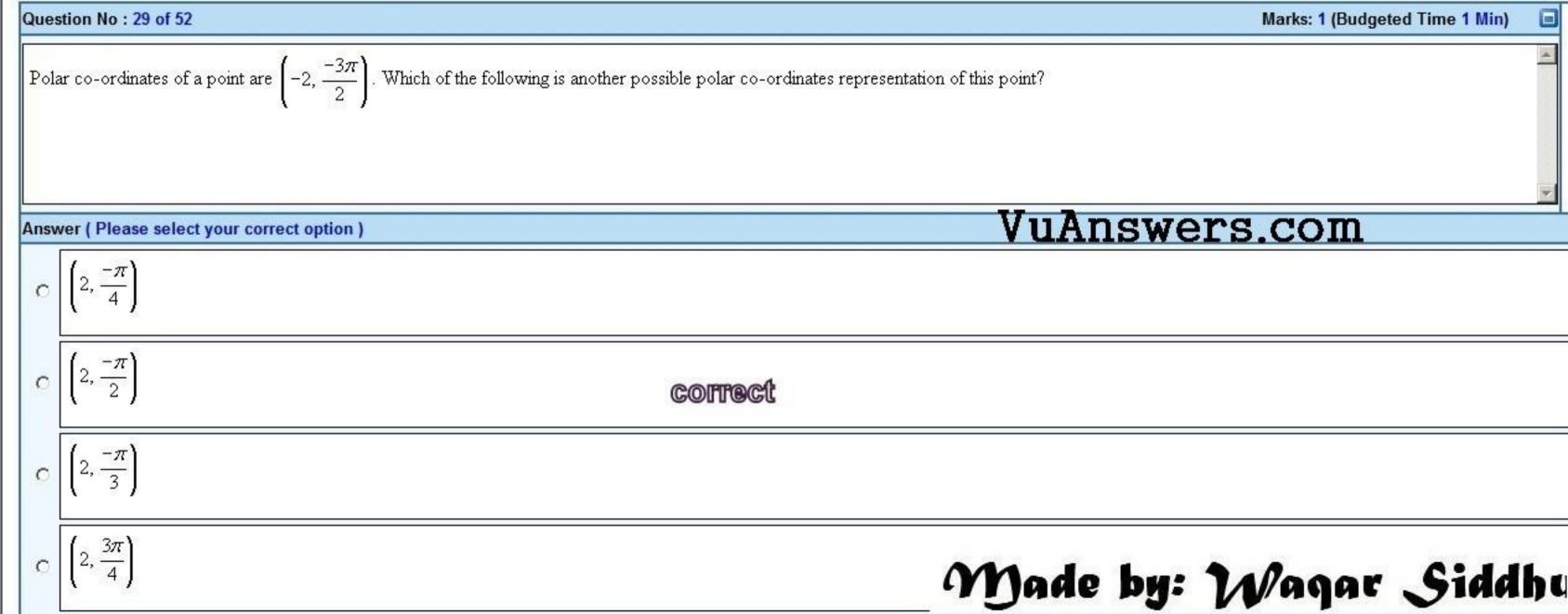
Question No : 24 of 52	Marks: 1 (Budgeted Time 1 Min)
Every differentiable function is always	
Answer (Please select your correct option)	VuAnswers.com
Piece wise continuous	
c	
Discontinuous	
0	
Continuous	
C	Collinari
	Made by: Wagar Siddhu

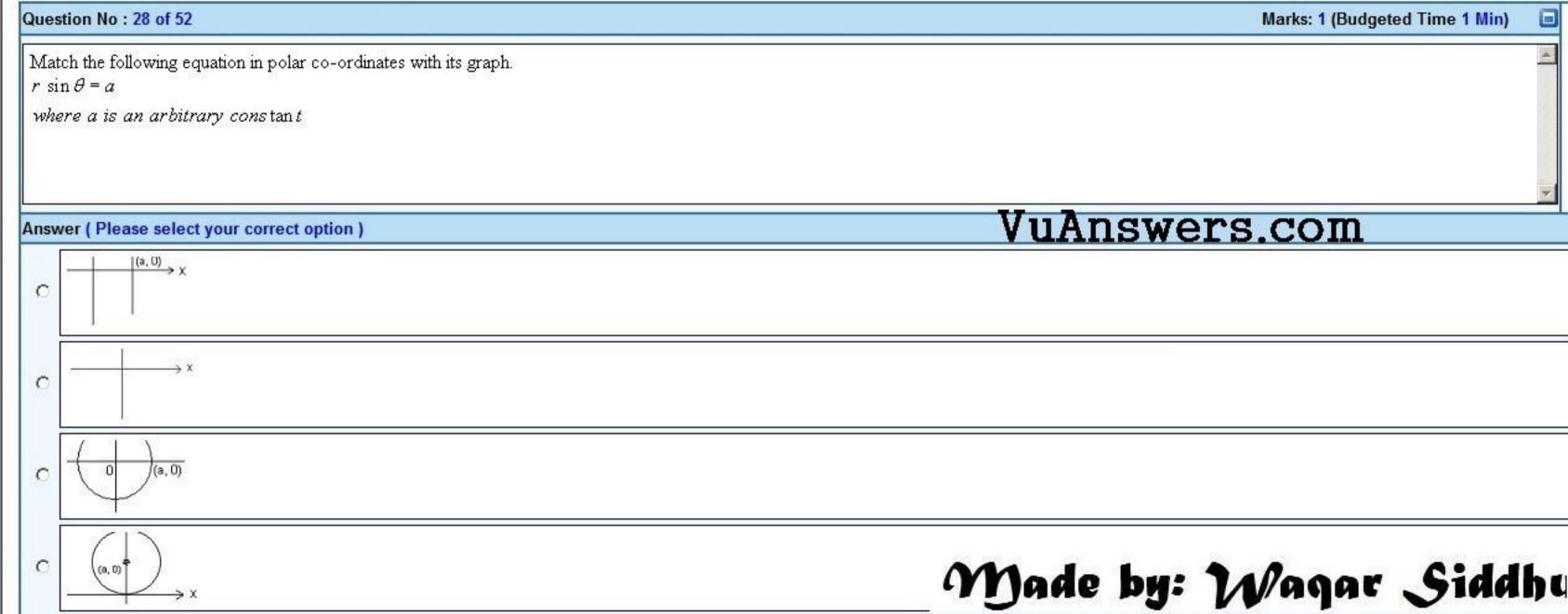
Question No : 25 of 52	Marks: 1 (Budgeted Time 1 Min)
Gradient of a scalar function always results in a function.	
Answer (Please select your correct option)	VuAnswers.com
Scalar	
Continuous	
Vector	correct
Constant	Made by: Waqar Siddho

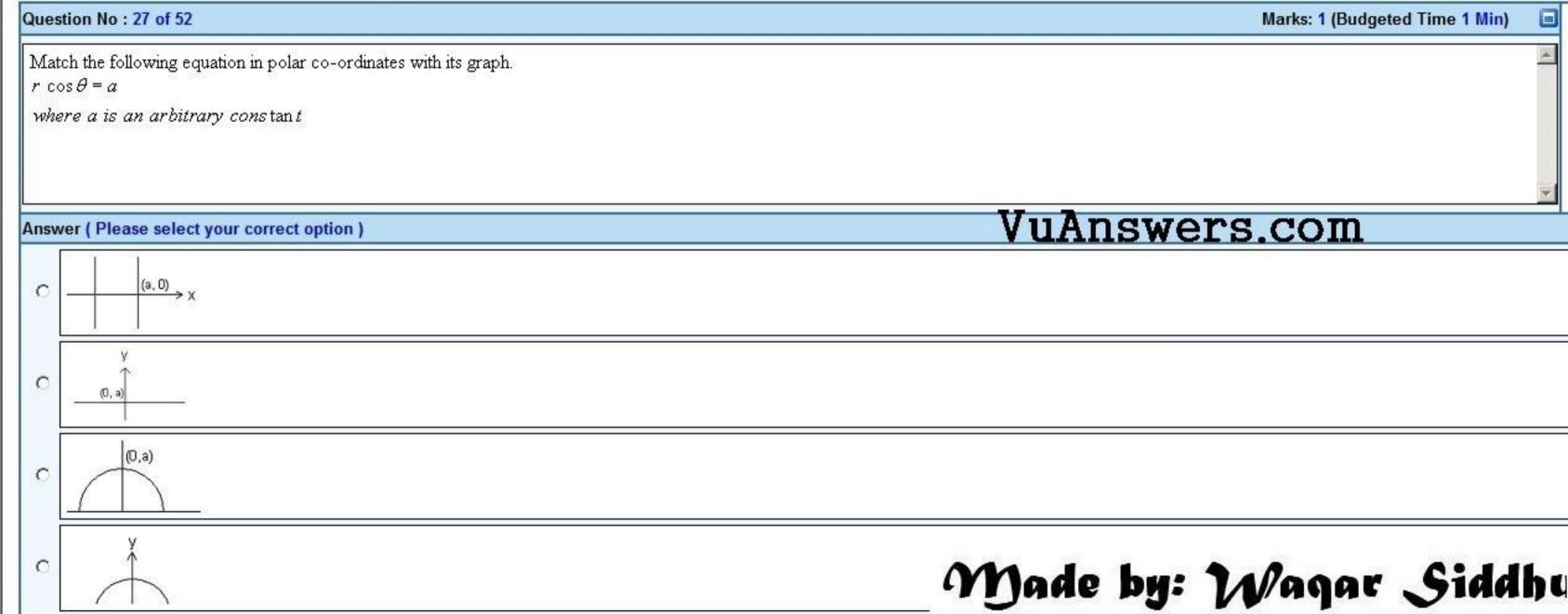


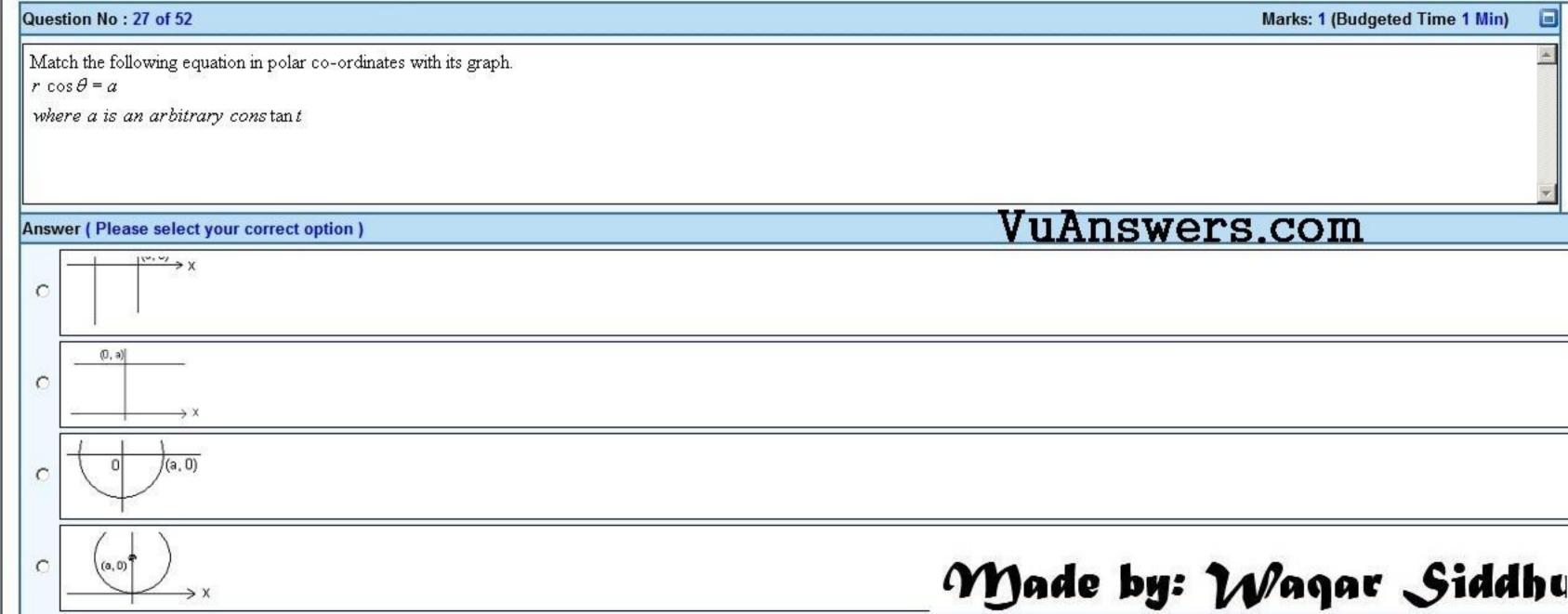


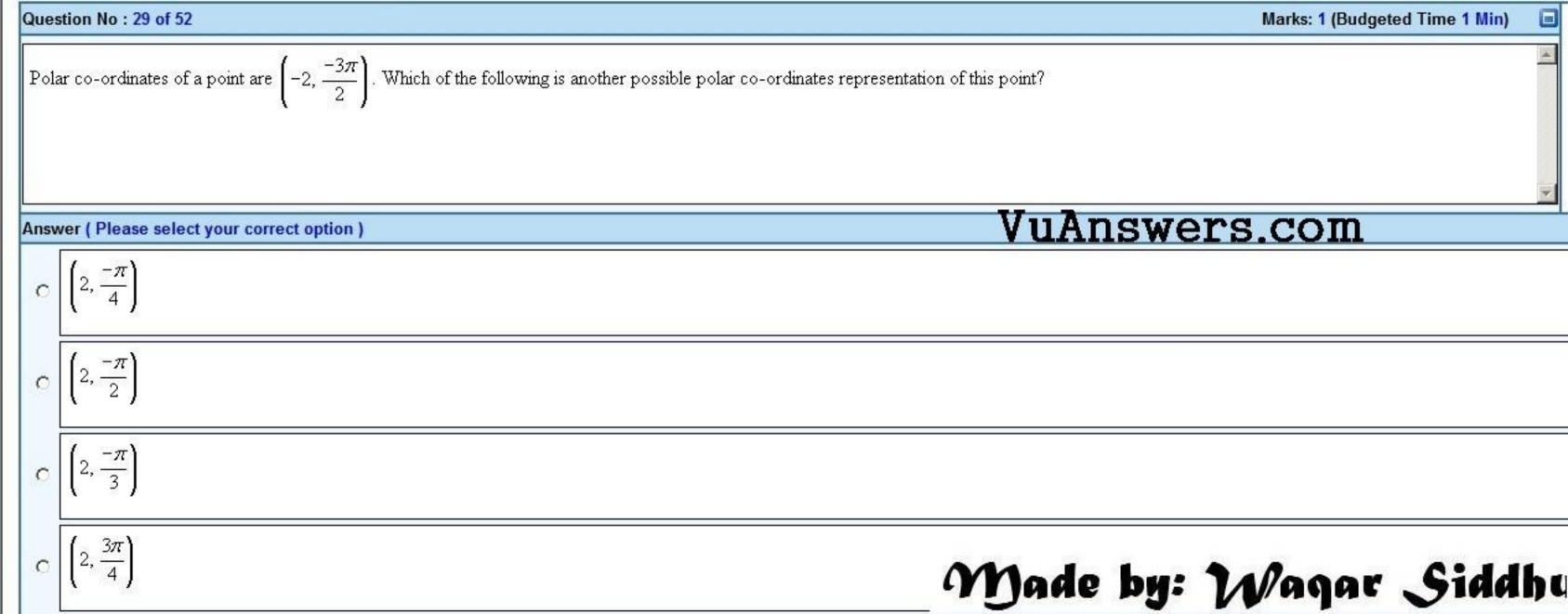




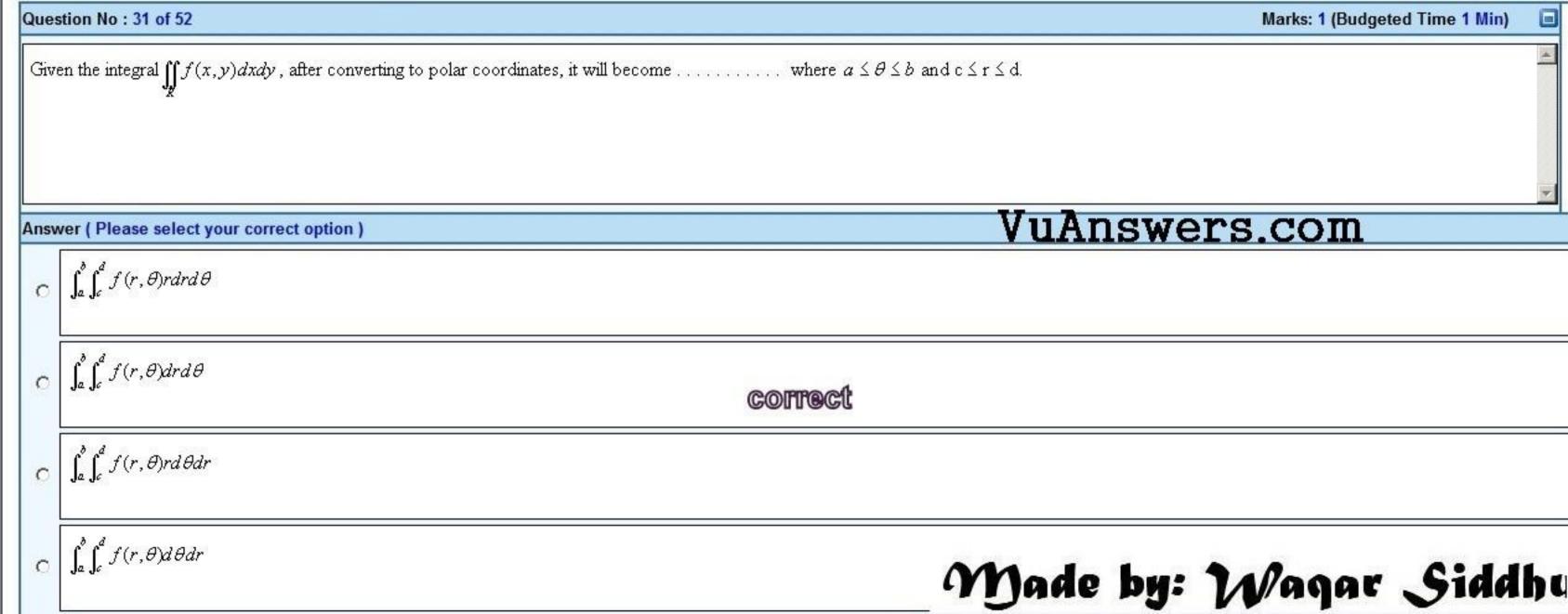


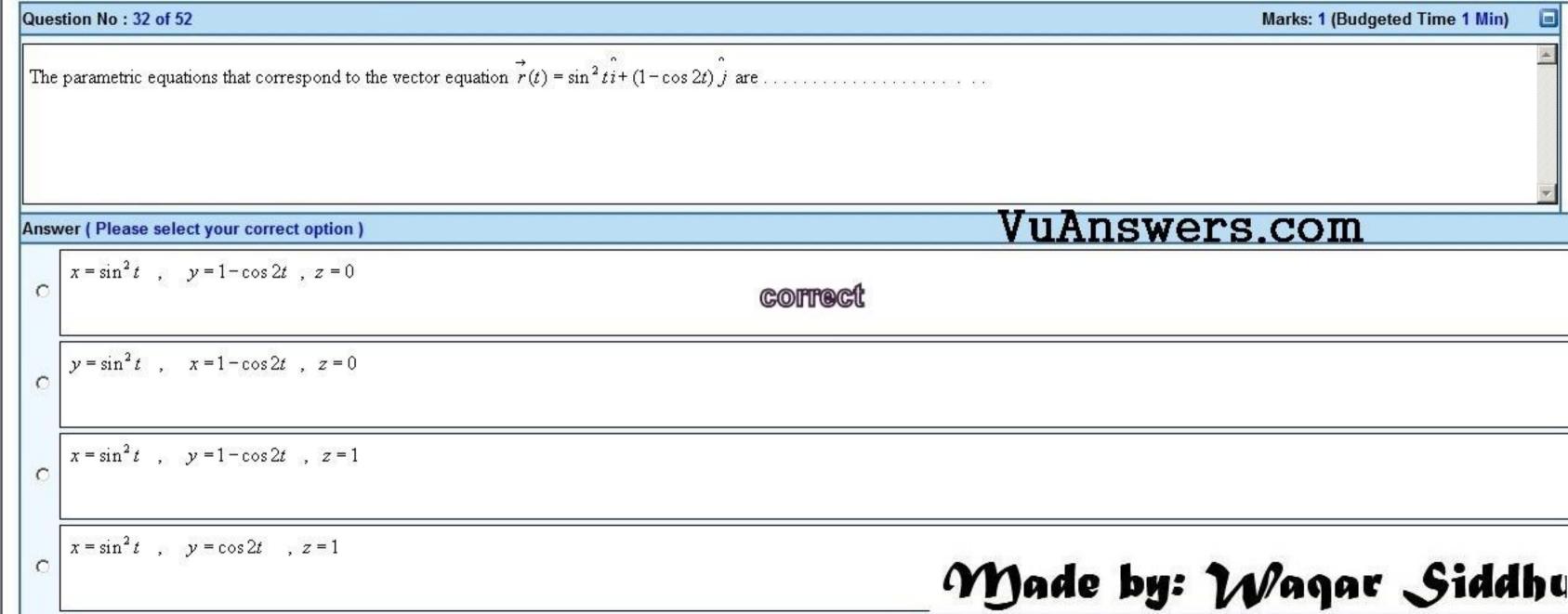




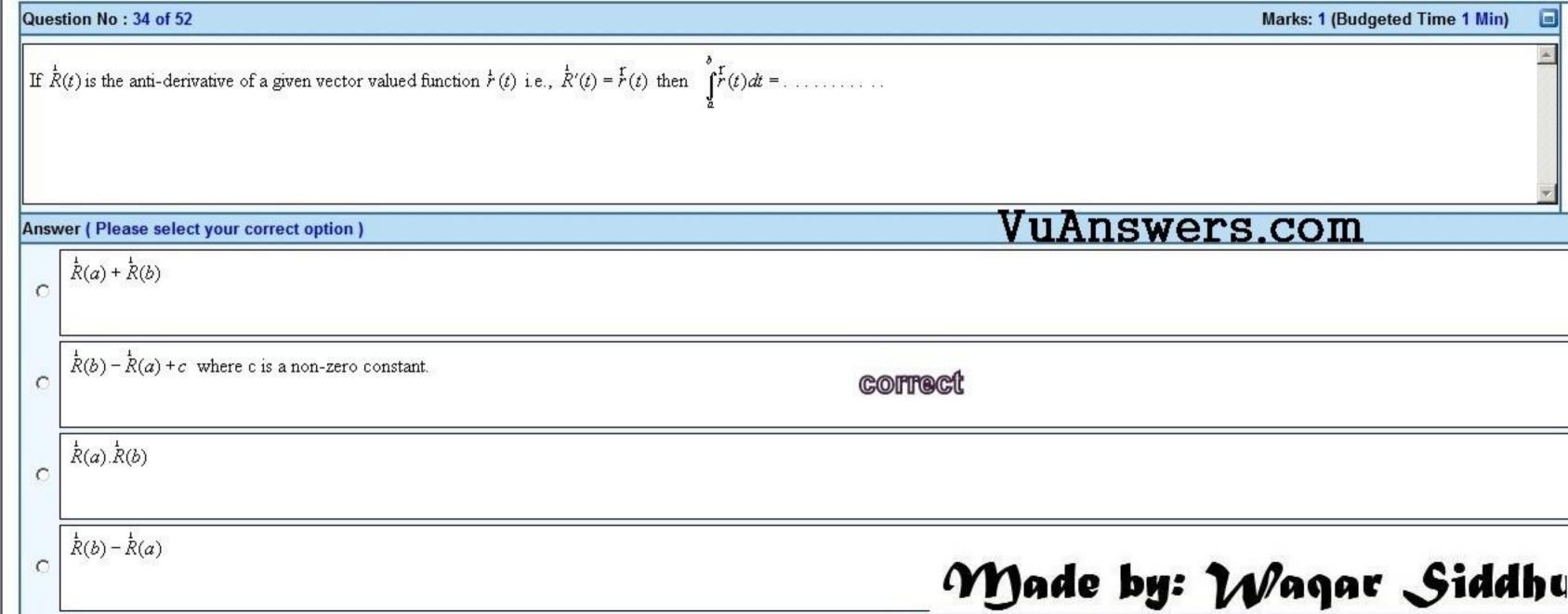


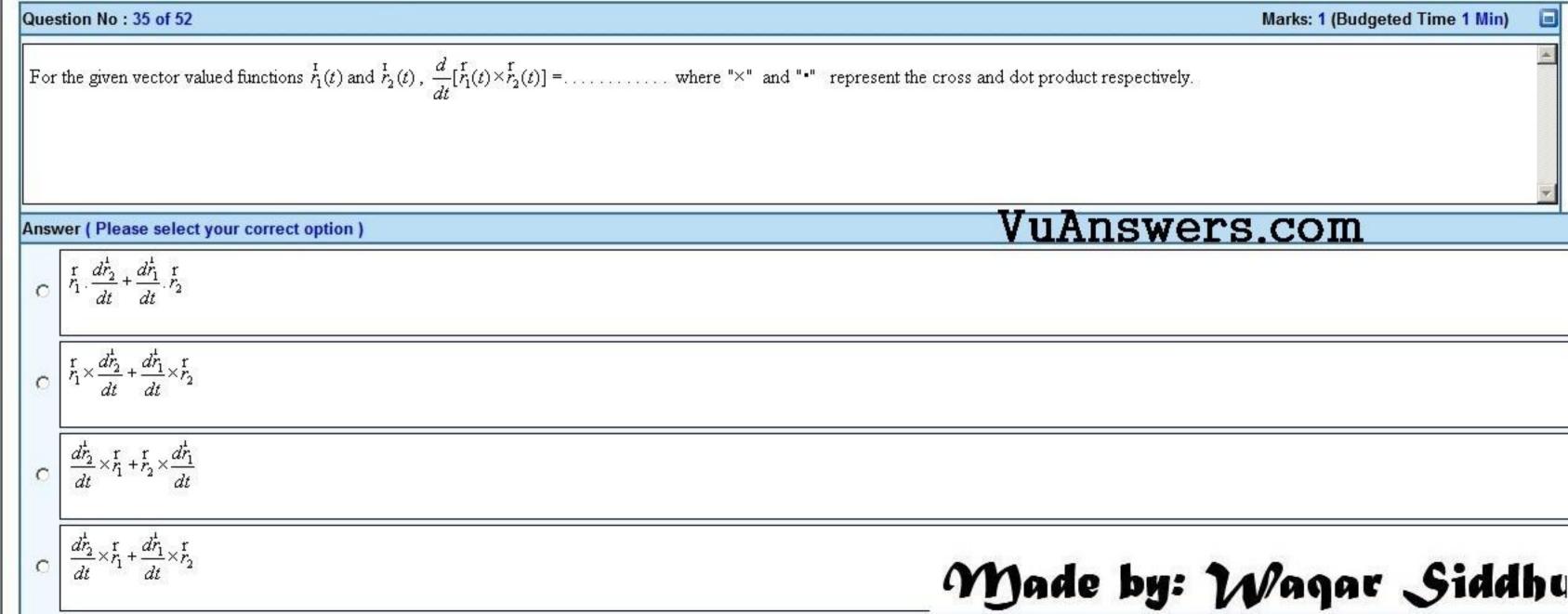
Que	estion No : 30 of 52	Marks: 1 (Budgeted Time 1 Min)
If	f the equation of a curve, in polar co-ordinates, remains unchanged after replacing $(r, heta)$ by $(r,- heta)$ then the cu	rve is said to be symmetric about
Ans	swer (Please select your correct option)	VuAnswers.com
С	Initial line COFFECT	
c	y-axis	
С	Pole	
0	origin	Made by: Wagar Siddhu

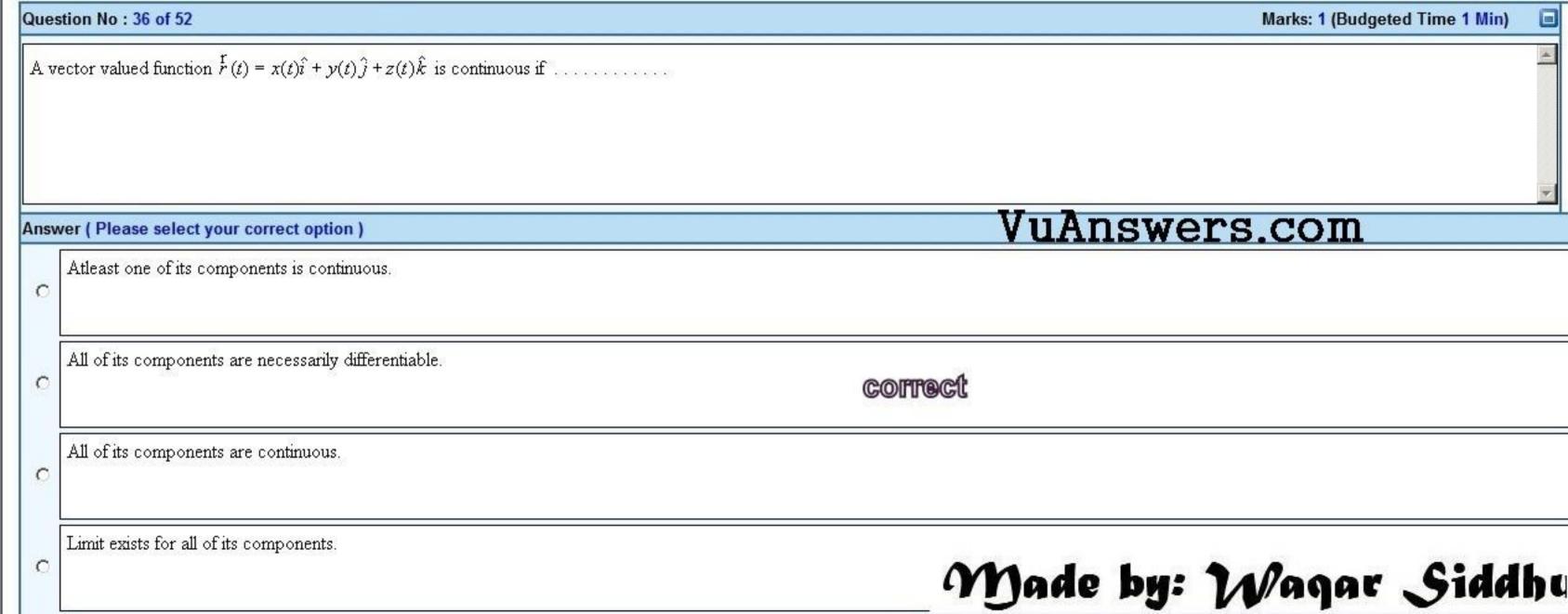












Question No: 37 of 52

Given a vector valued function
$$\hat{f}(t) = \frac{1}{(t-3)}\hat{i} + e^t\hat{j}$$
 and its anti-derivative $\hat{R}(t) = \ln(t-3)\hat{i} + e^t\hat{j}$, then $\int_{\hat{f}}^{\hat{f}}(t)dt = \dots$

Answer (Please select your correct option)

VuAnswers.com

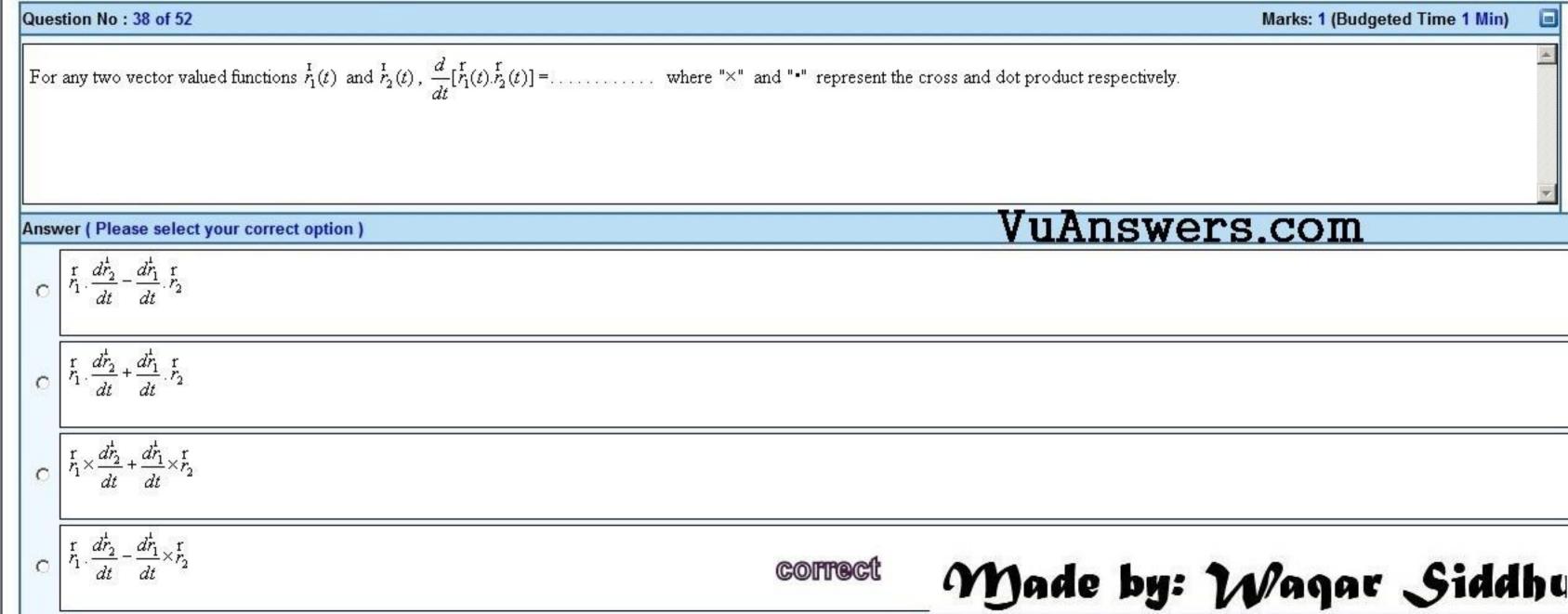
$$c \ln(t-3)\hat{i} + e^t\hat{j} + c$$

$$c (t-3)\hat{i} + \frac{e^t}{2}\hat{j} + c$$

$$c (t-3)\hat{i} + \frac{e^t}{2}\hat{j} + c$$

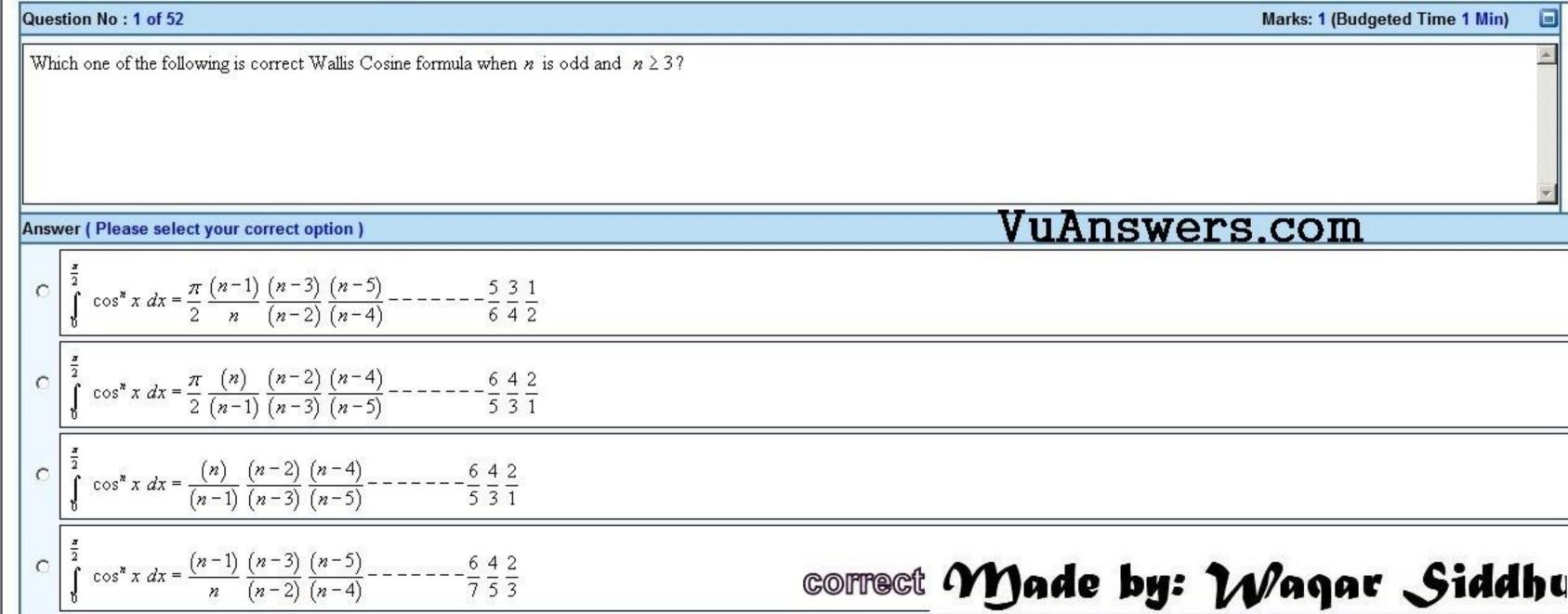
$$c \frac{1}{(t-3)}\hat{i} + e^t\hat{j}$$

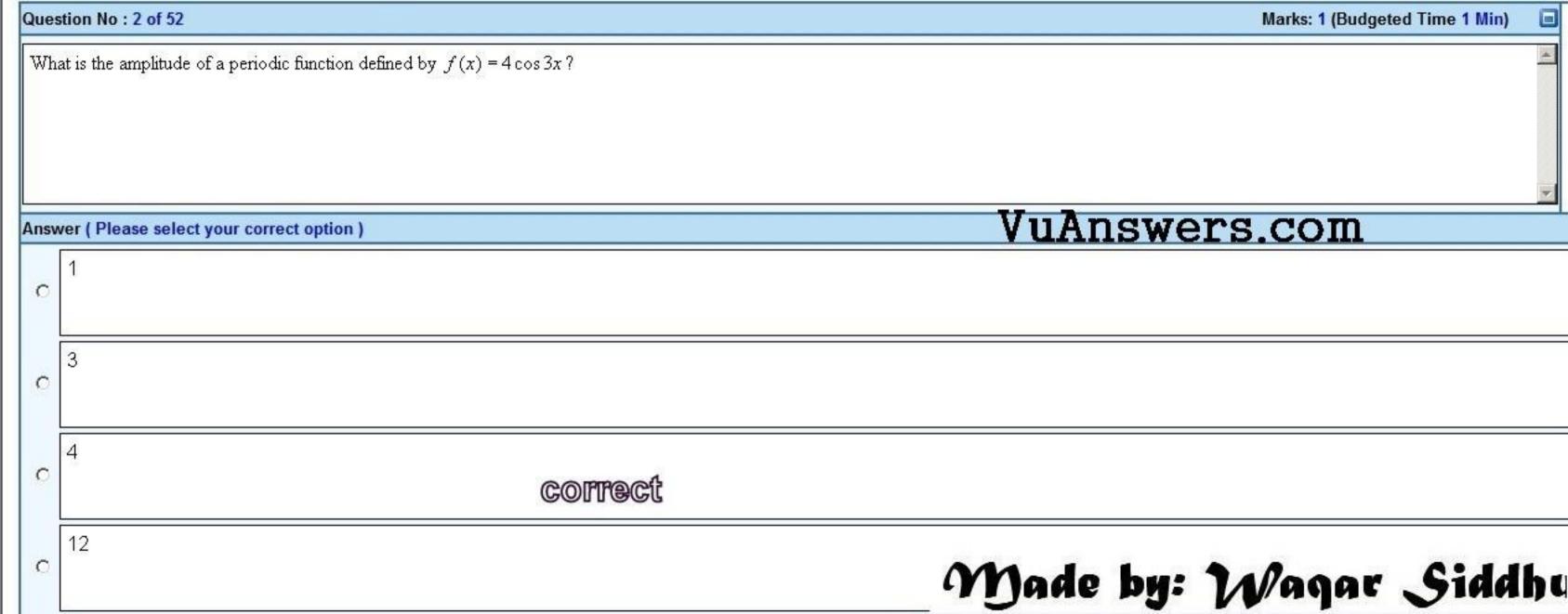
Yinager Siddhu

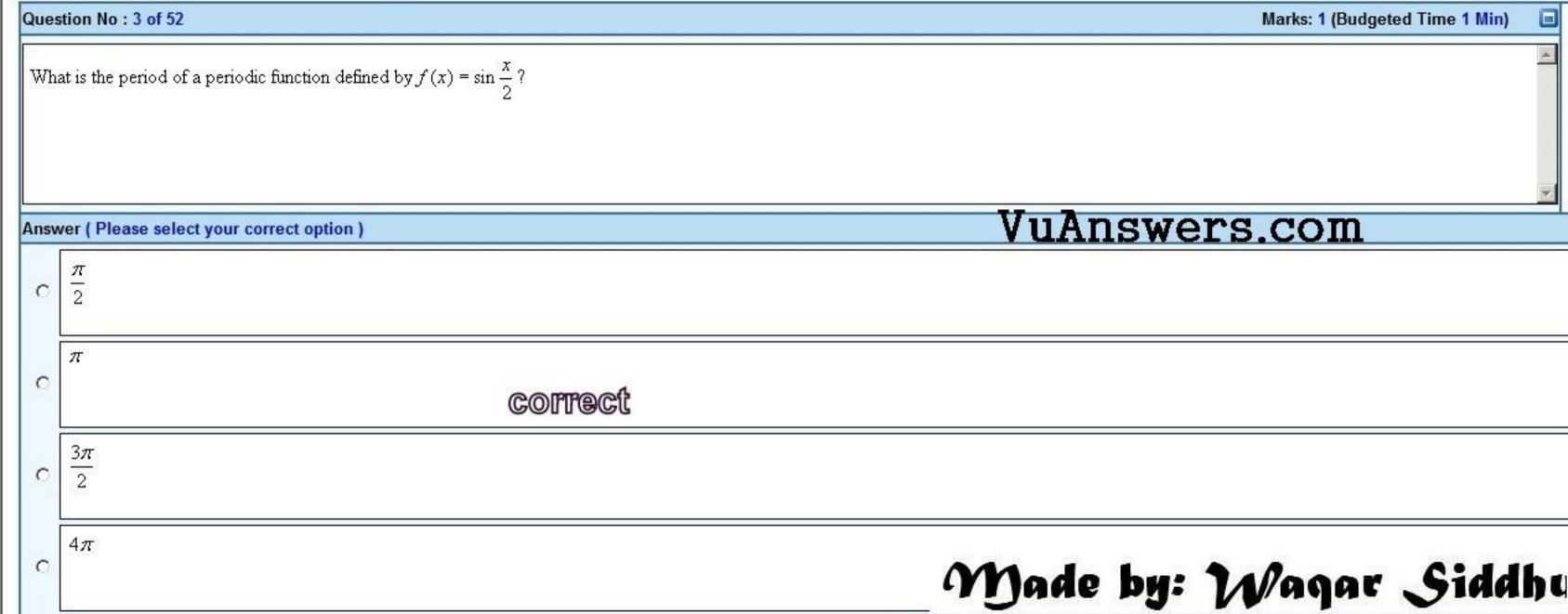


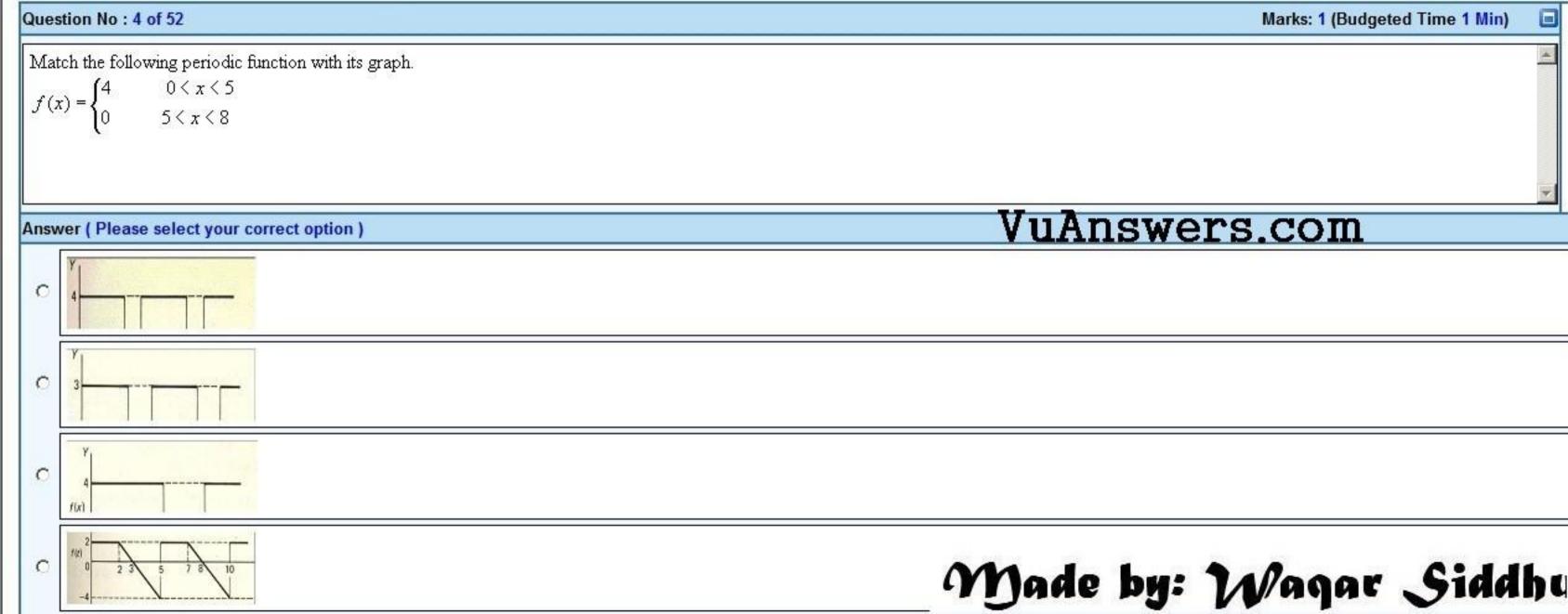
Question No : 39 of 52	Marks: 1 (Budgeted Time 1 Min)
A single curve can be represented by vector valued function(s).	
Answer (Please select your correct option)	VuAnswers.com
C Two	
Infinitely many	
Single	
C Three	Made by: Waqar Siddhu

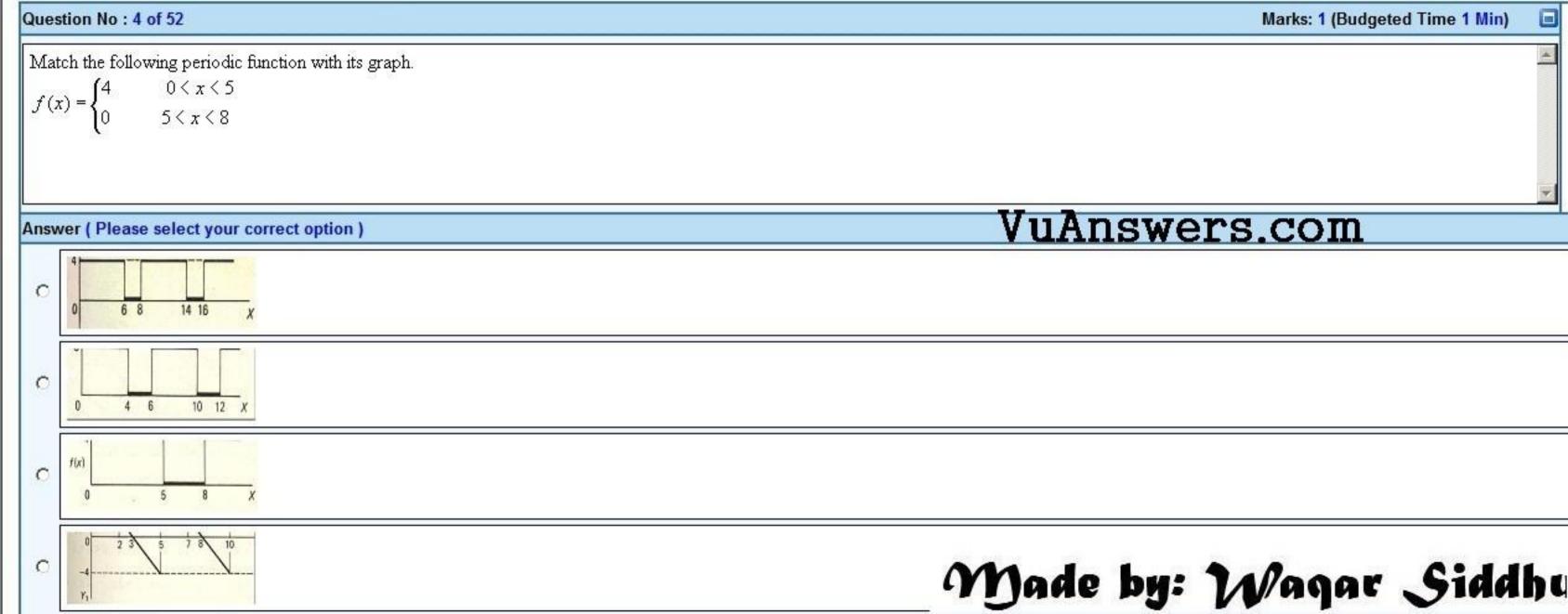
Question No : 40 of 52			Marks: 1 (Budget	ed Time 1 Min) 🔳
A function is said to be smooth if it's derivative is	on any value of its domain.			
Answer (Please select your correct option)		VuAnswe	ers.com	
continuous and non zero				
piecewise continuous				
defined and non zero				
differentiable C	correct	Made by:	Wagar	Siddho

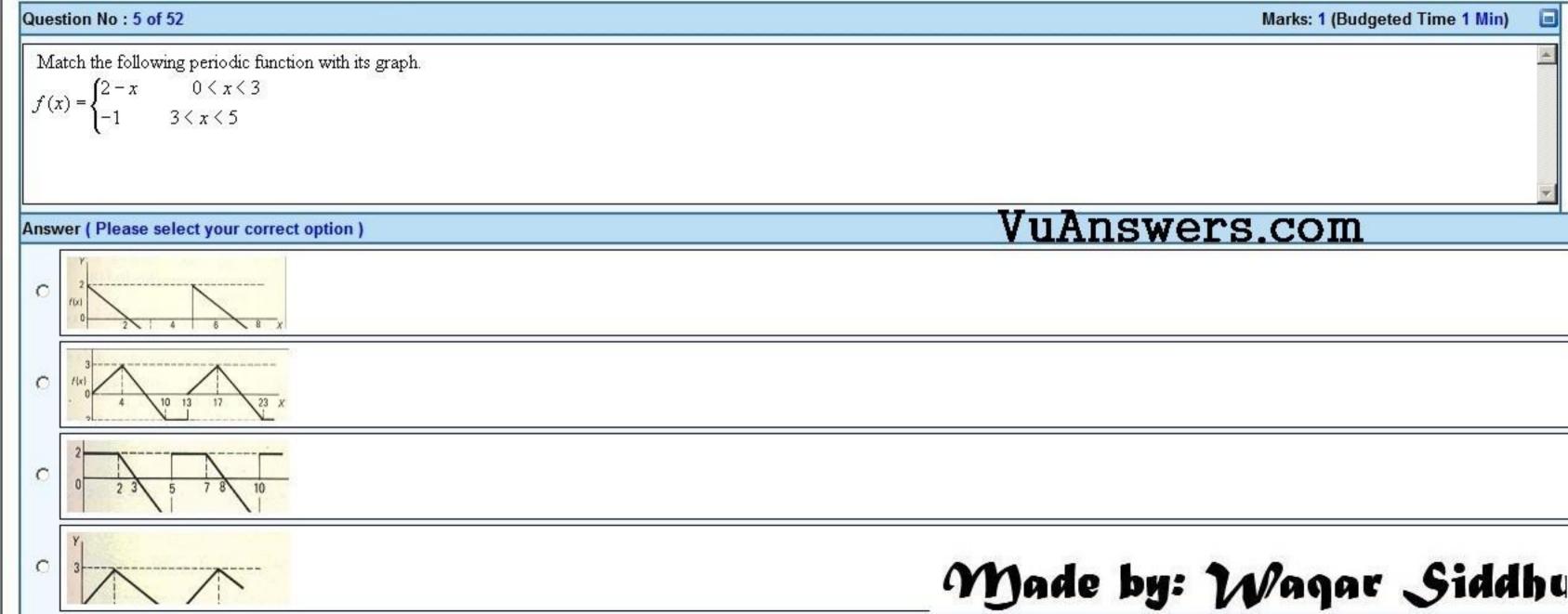


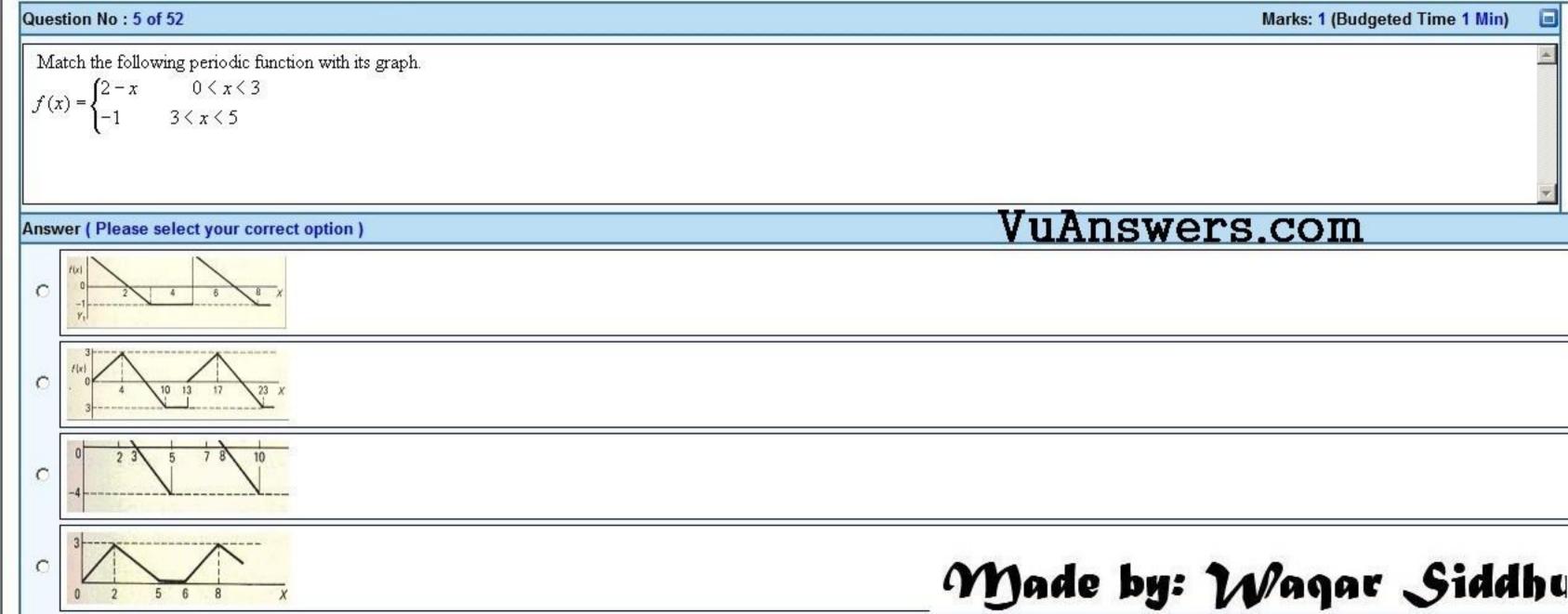




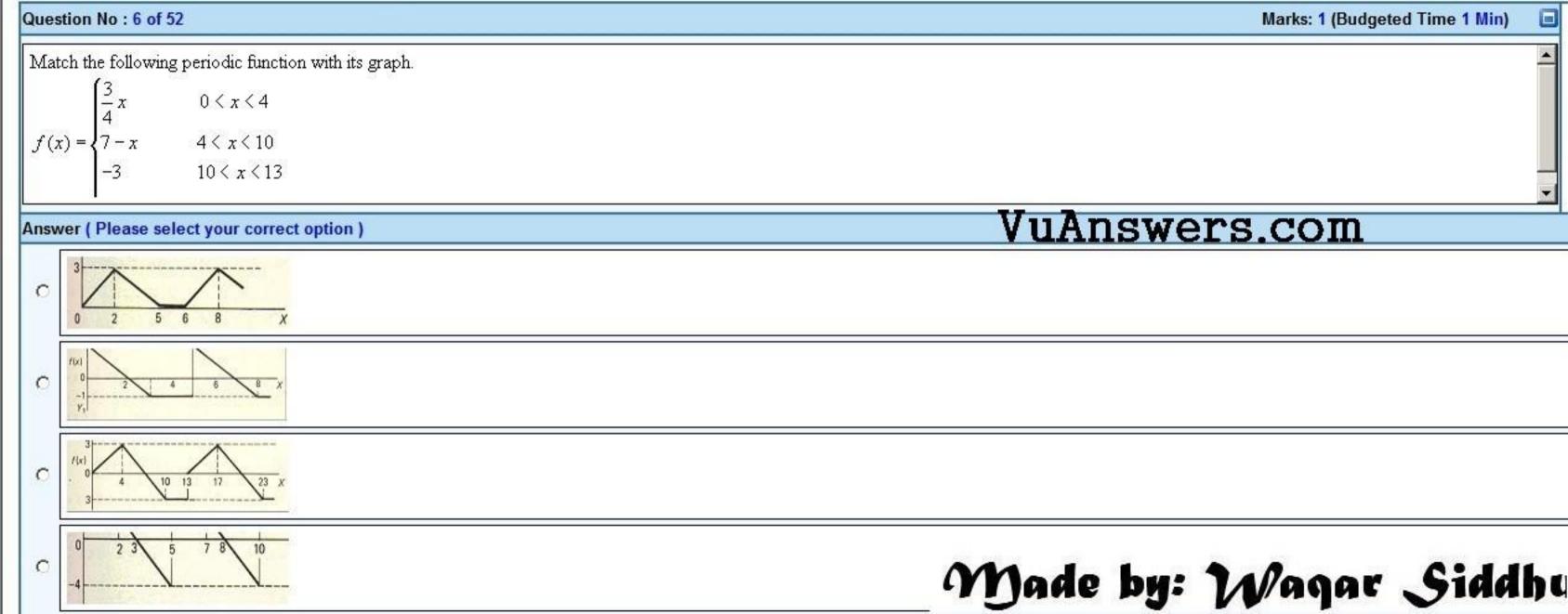


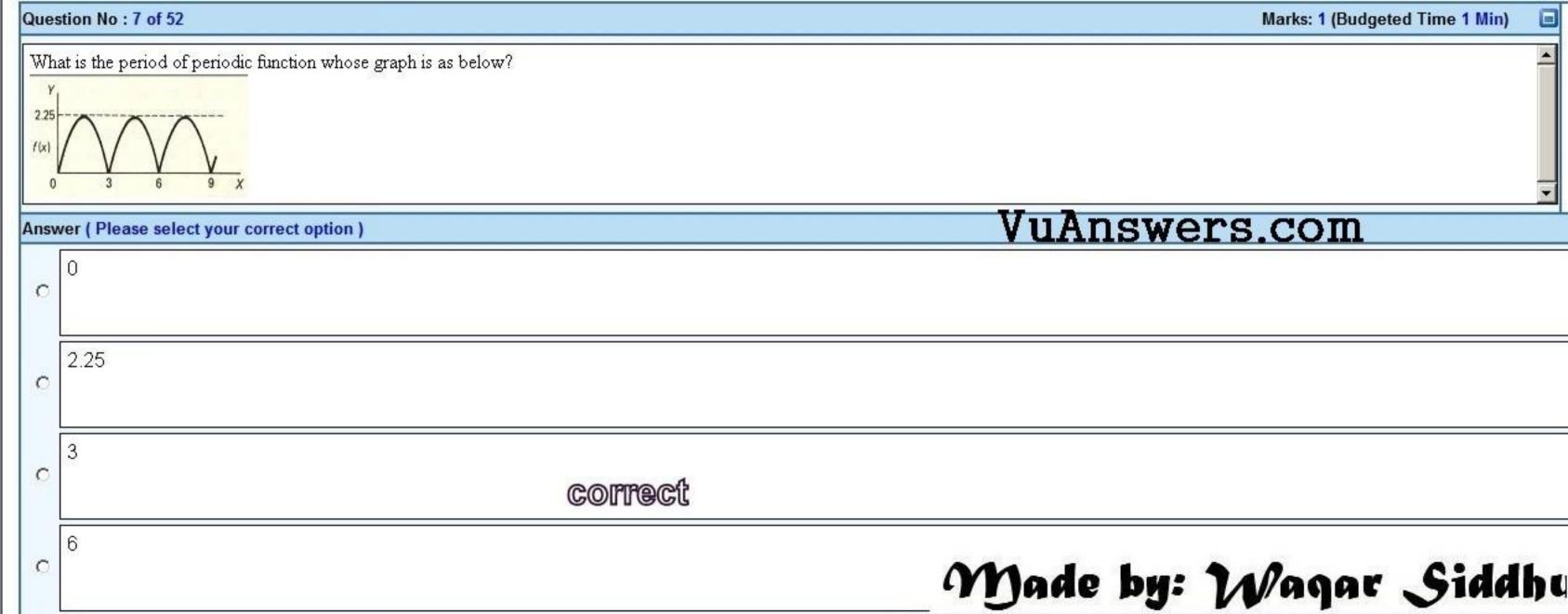






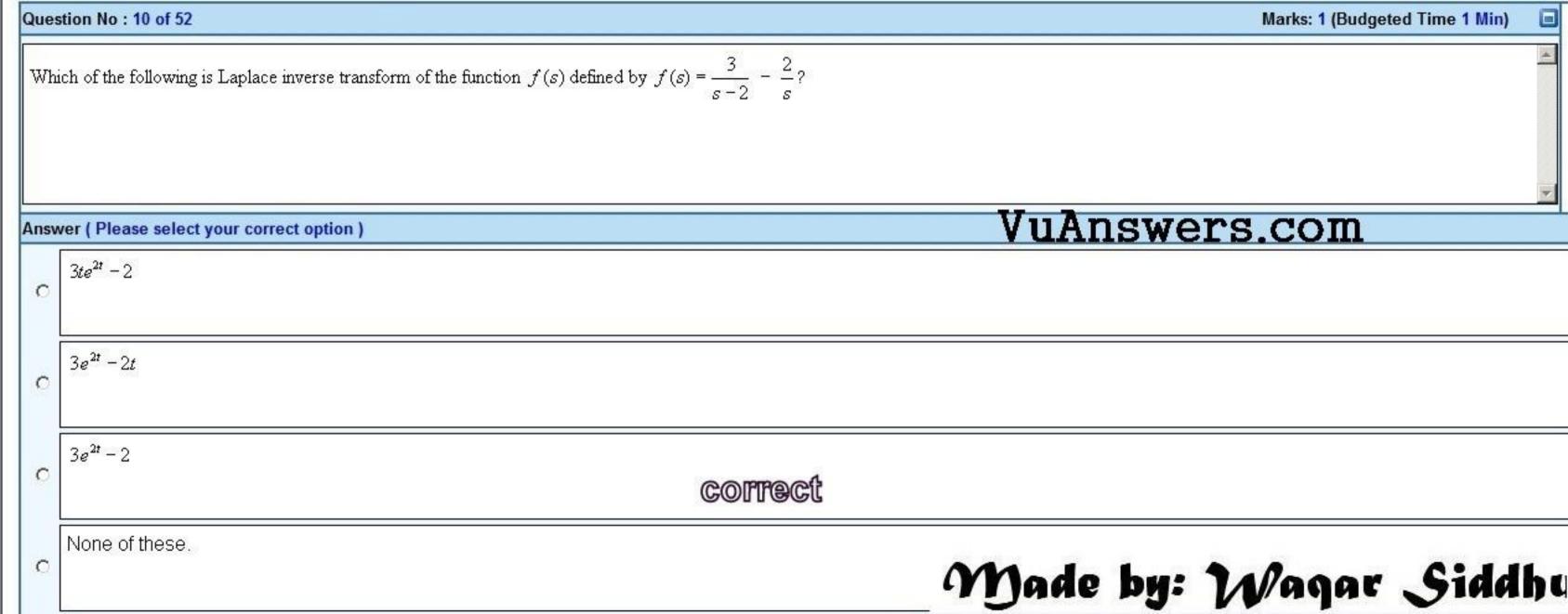








Question No : 9 of 52		Marks: 1 (Budgeted Time 1 Min)
The graph of an even function is sym	metrical about	
Answer (Please select your correct	option)	VuAnswers.com
x-axis		
0		
y-axis		
0	correct	
origin		
C		Made by: Wagar Siddh



Question No: 12 of 52

What is laplace transform of the function
$$F(t)$$
 if $F(t) = \sin 3t$?

Answer (Please select your correct option)

$$C \quad L(\sin 3t) = \frac{3}{s^2 + 9}$$

$$C \quad L(\sin 3t) = \frac{s}{s^2 + 9}$$

$$C \quad L(\sin 3t) = \frac{1}{s - 3}$$

$$C \quad L(\sin 3t) = \frac{3}{s^4}$$

Other by: Wagaar Siddhu

Question No: 13 of 52

If
$$L$$
 denotes laplace transform then
$$L(w^3) = \frac{1}{s^2 - 5}$$

Answer (Please select your correct option)

$$C L(w^3) = \frac{1}{s^2 + 5}$$

$$C L(w^3) = \frac{1}{s^2 + 5}$$

$$C L(w^3) = \frac{1}{(s+5)^2}$$

$$C L(w^3) = \frac{1}{(s-5)^2}$$

COPPOSITE What is a single of the select transform then and the select your correct option)

$$C L(w^3) = \frac{1}{s^2 + 5}$$

$$C L(w^3) = \frac{1}{(s-5)^2}$$

COPPOSITE What is a single of the select your correct option)

$$C L(w^3) = \frac{1}{(s-5)^2}$$

COPPOSITE What is a single of the year of the year

Question No: 14 of 52

What is Laplace Inverse Transform of
$$s^2 + 25$$

Answer (Please select your correct option)

$$C \quad L^4 \left\{ \frac{s}{s^2 + 25} \right\} = \sin 5t$$

$$C \quad L^4 \left\{ \frac{s}{s^2 + 25} \right\} = \cos 5t$$

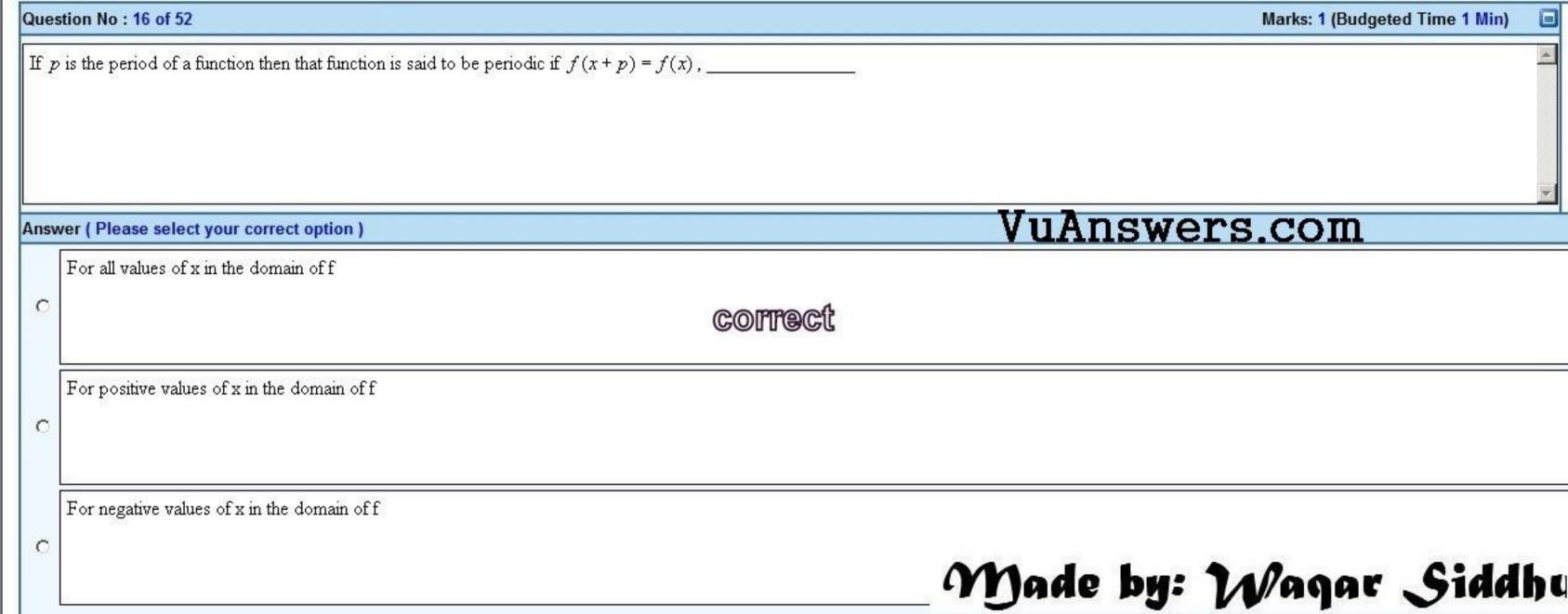
$$C \quad L^4 \left\{ \frac{s}{s^2 + 25} \right\} = \sin 2t$$

$$C \quad L^4 \left\{ \frac{s}{s^2 + 25} \right\} = \cos 5t$$

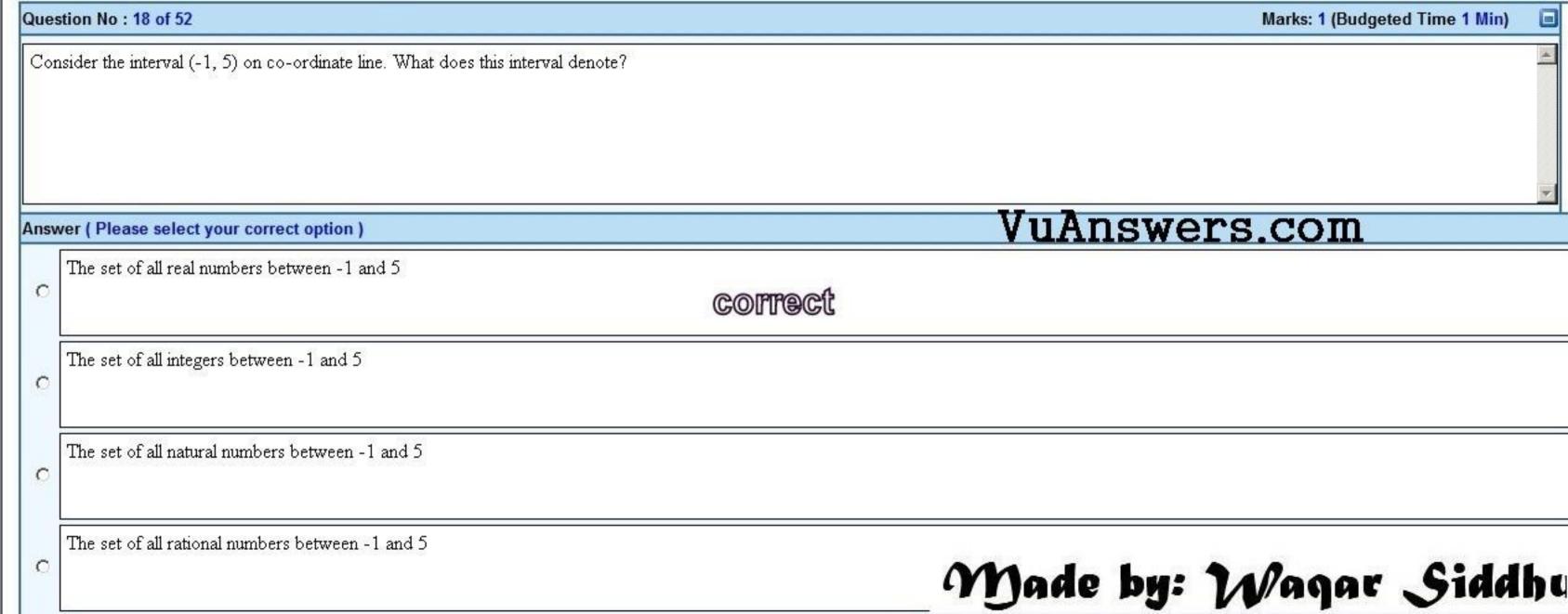
$$C \quad L^4 \left\{ \frac{s}{s^2 + 25} \right\} = \cos 25t$$

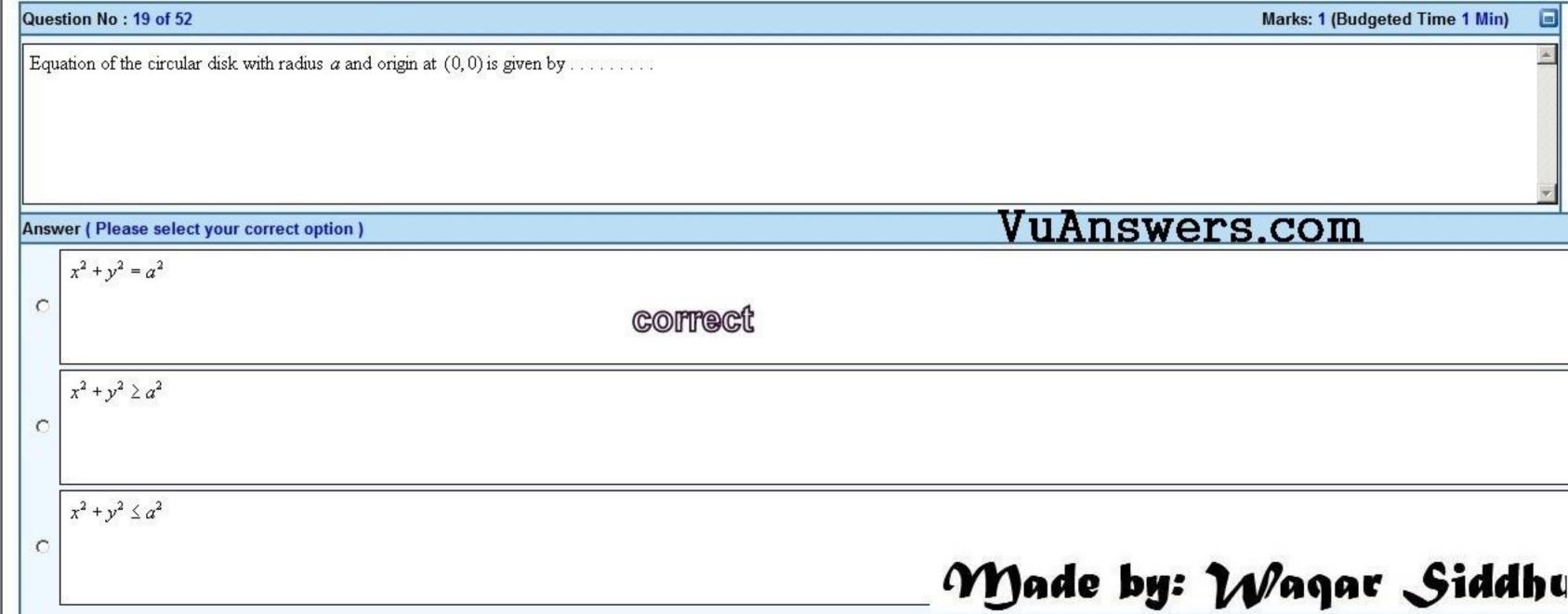
The property of the prope

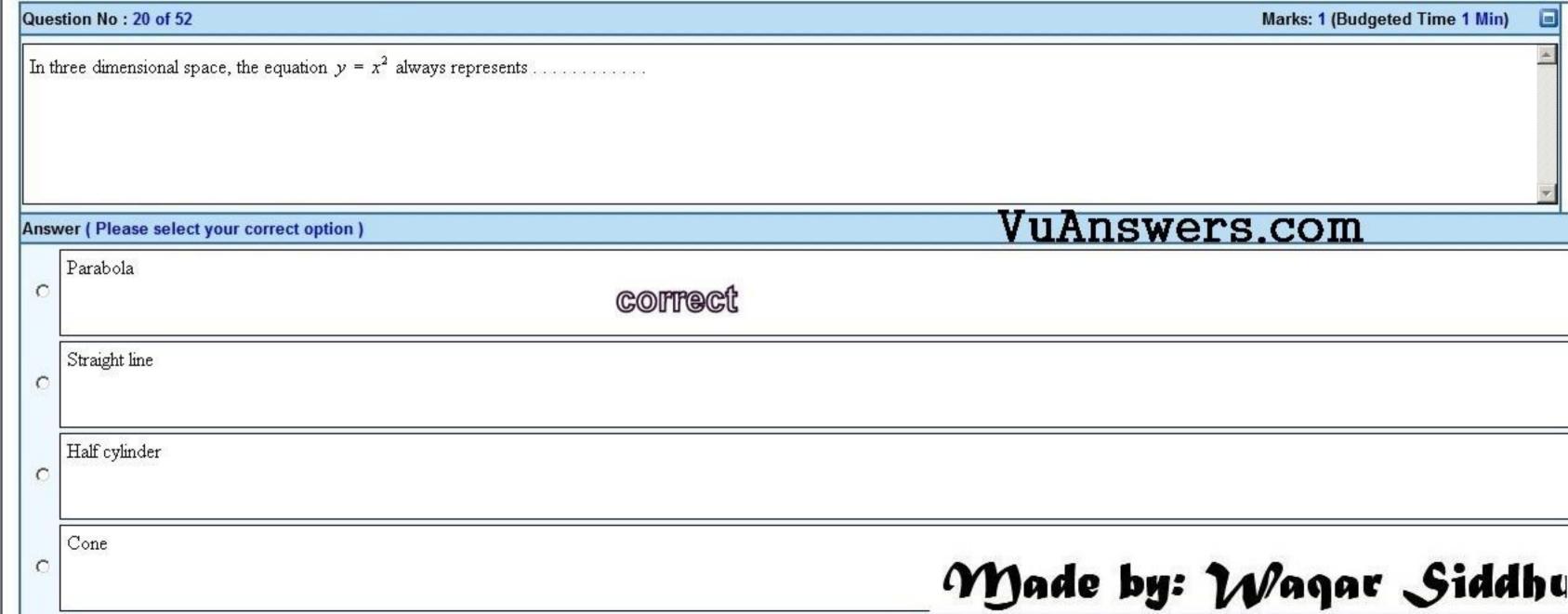


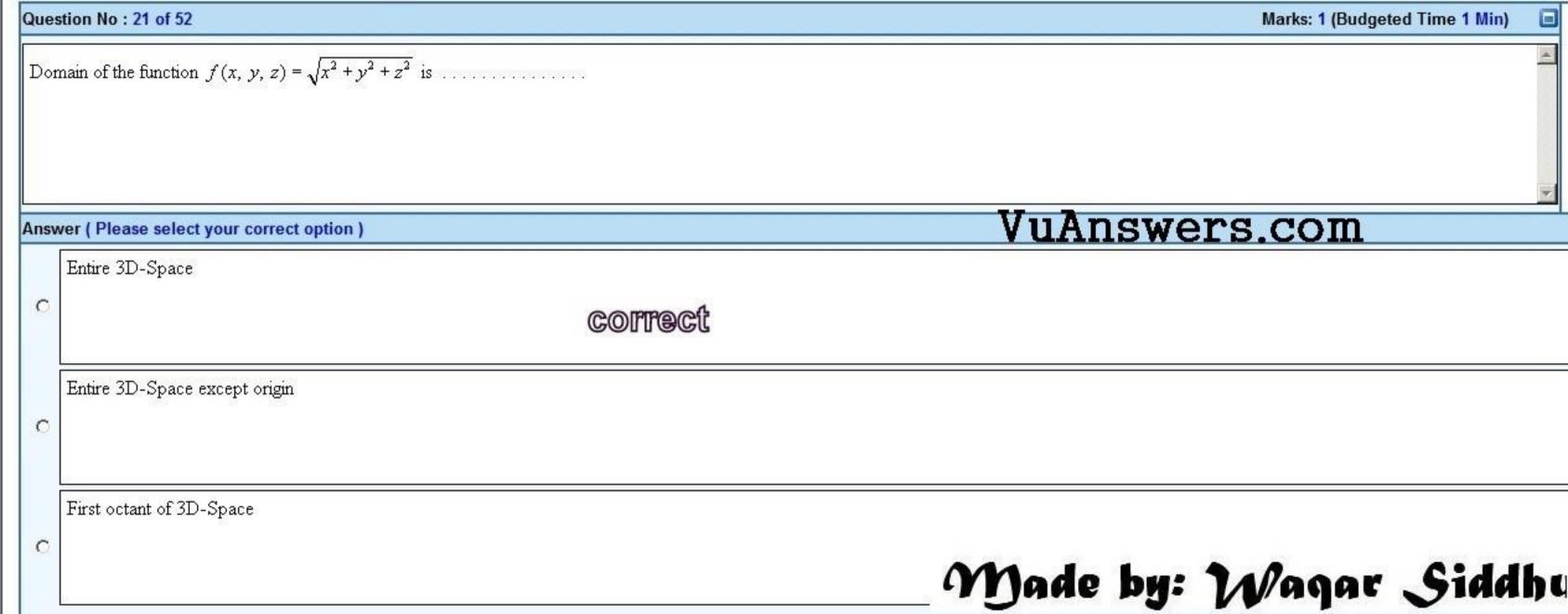


Que	estion No : 17 of 52	Marks: 1 (Budgeted Time 1 Min)
W	hich of the following is associated to each point on a plane?	
Δ 226	swer (Please select your correct option)	VuAnswers.com
Alis		V UAIISWELS.COM
	A real number	
С	correct	
	A natural number	
С		
	An ordered pair	
C		Made by: Waqar Siddhu









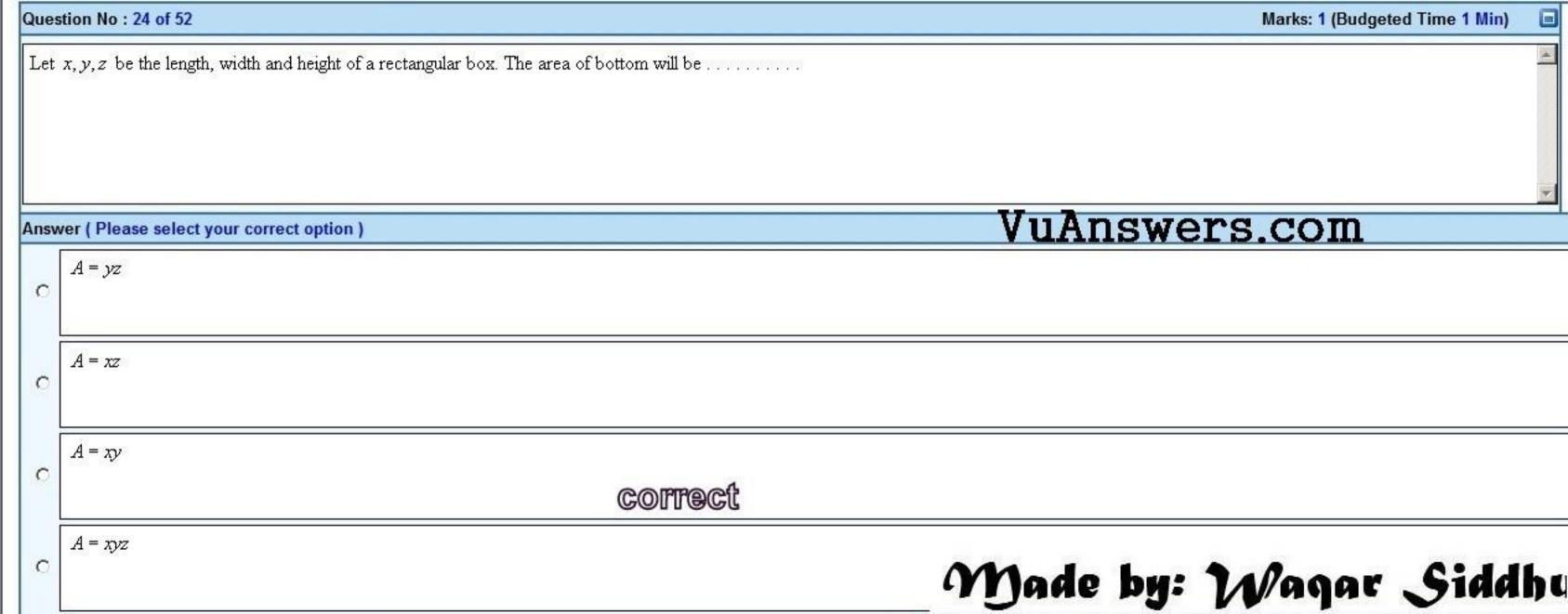
Question No: 22 of 52

Suppose
$$f(x, y) = x^3 e^{y}$$
. Which of the following options is correct?

Answer (Please select your correct option)

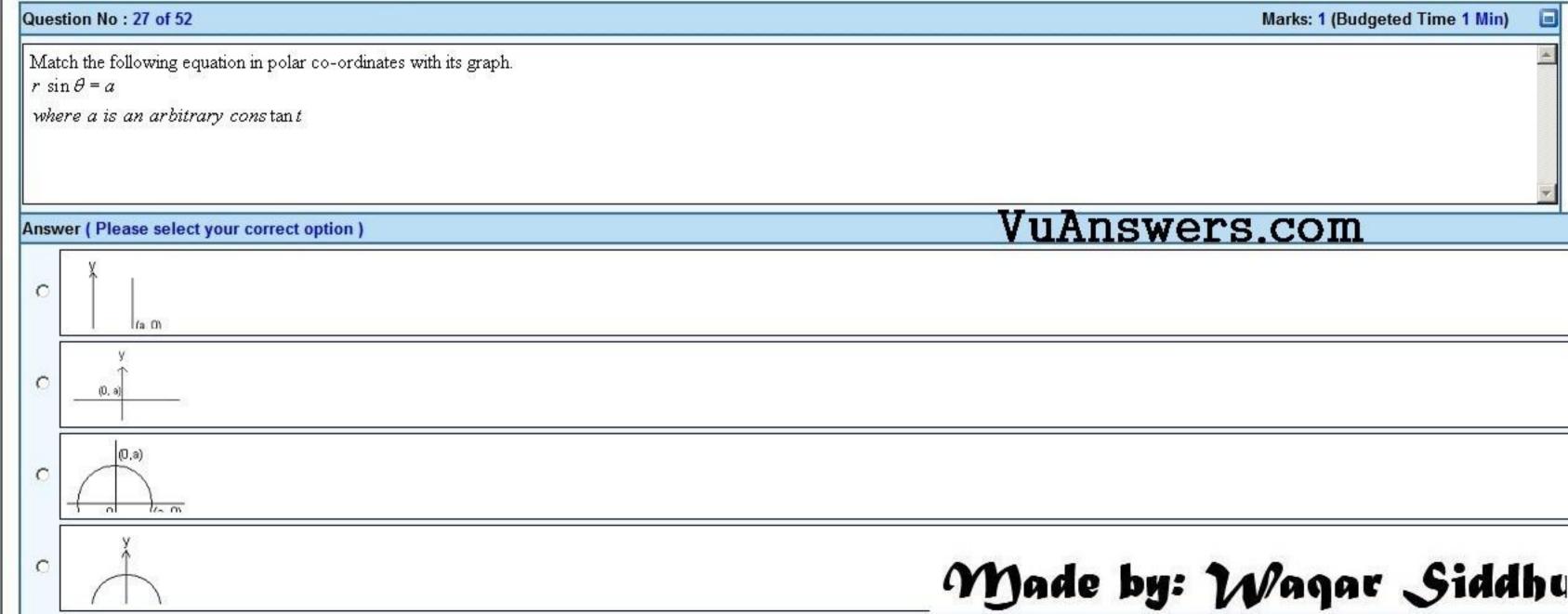
 $C = \frac{\partial f}{\partial y} = 3x^3 e^{y}$
 $C = \frac{\partial f}{\partial y} = x^3 e^{y}$

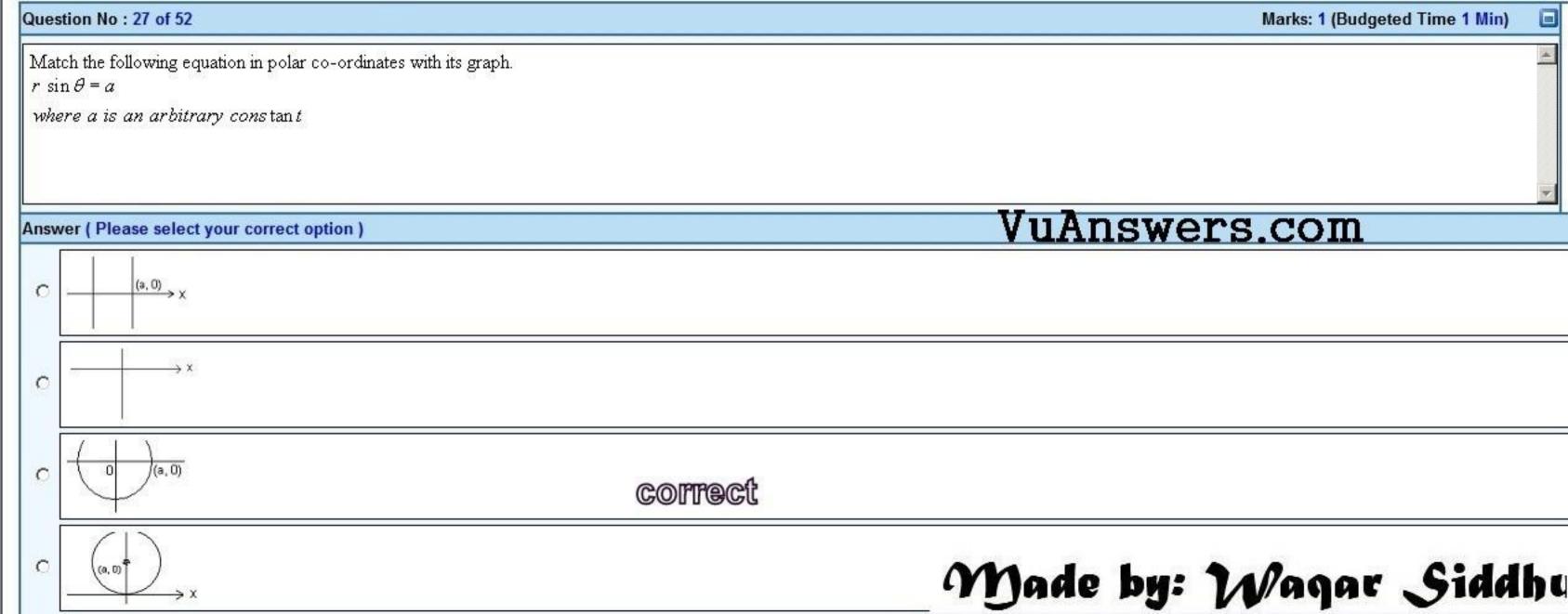
Question No : 23 of 52	Marks: 1 (Budgeted Time 1 Min)
Gradient of a scalar function always results in a function.	
Answer (Please select your correct option)	VuAnswers.com
Scalar C	V drillowel b.Com
Continuous	
Vector COFFECT	
C Constant	Made by: Waqar Siddhu

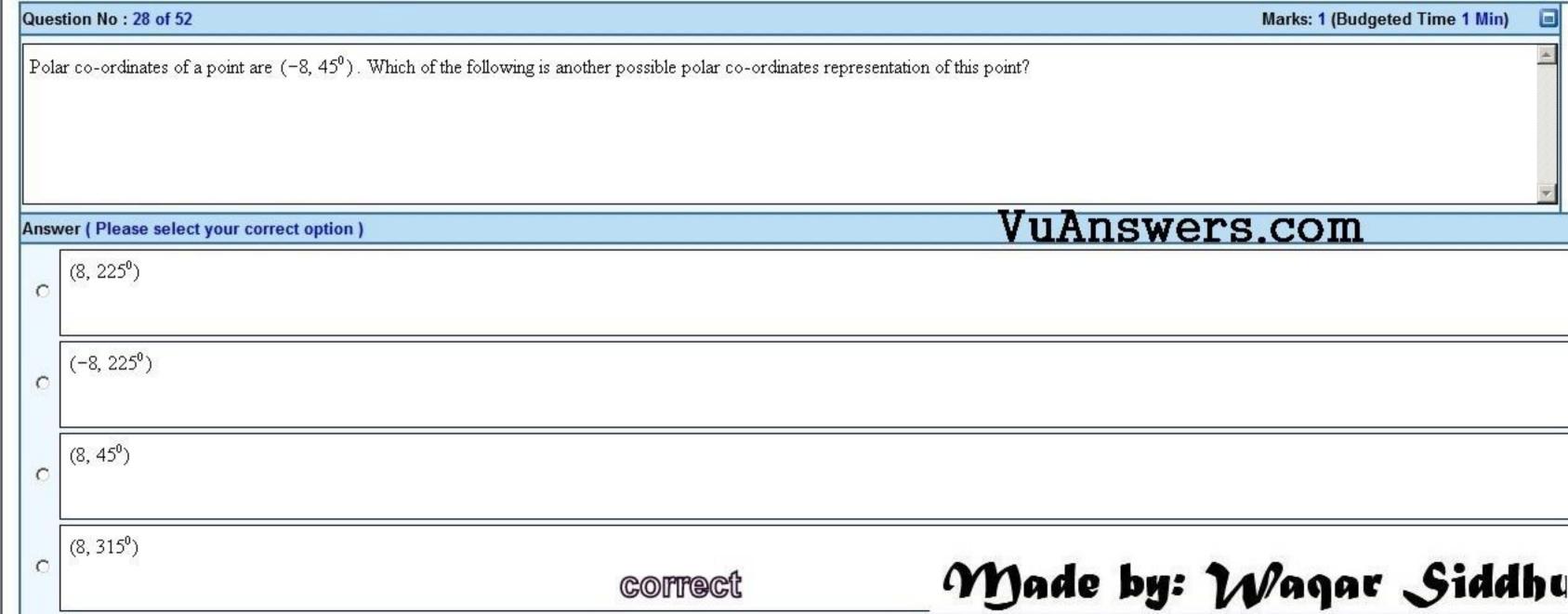


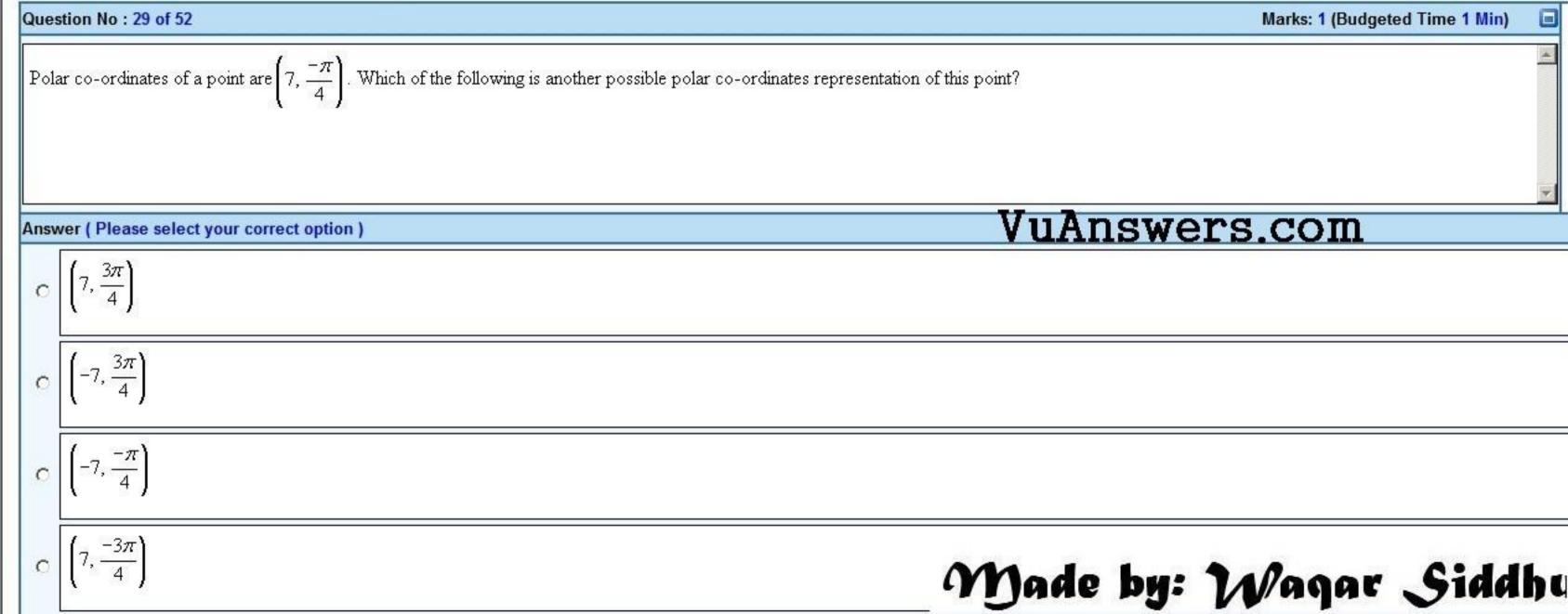




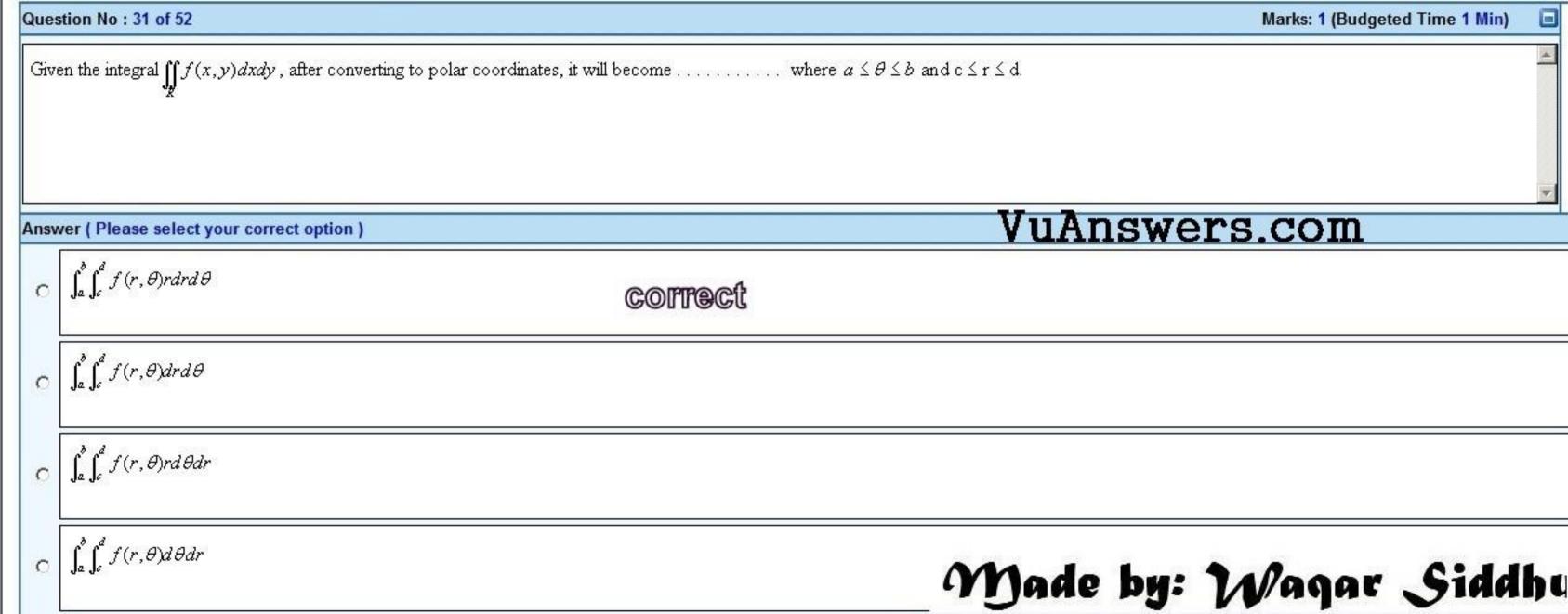


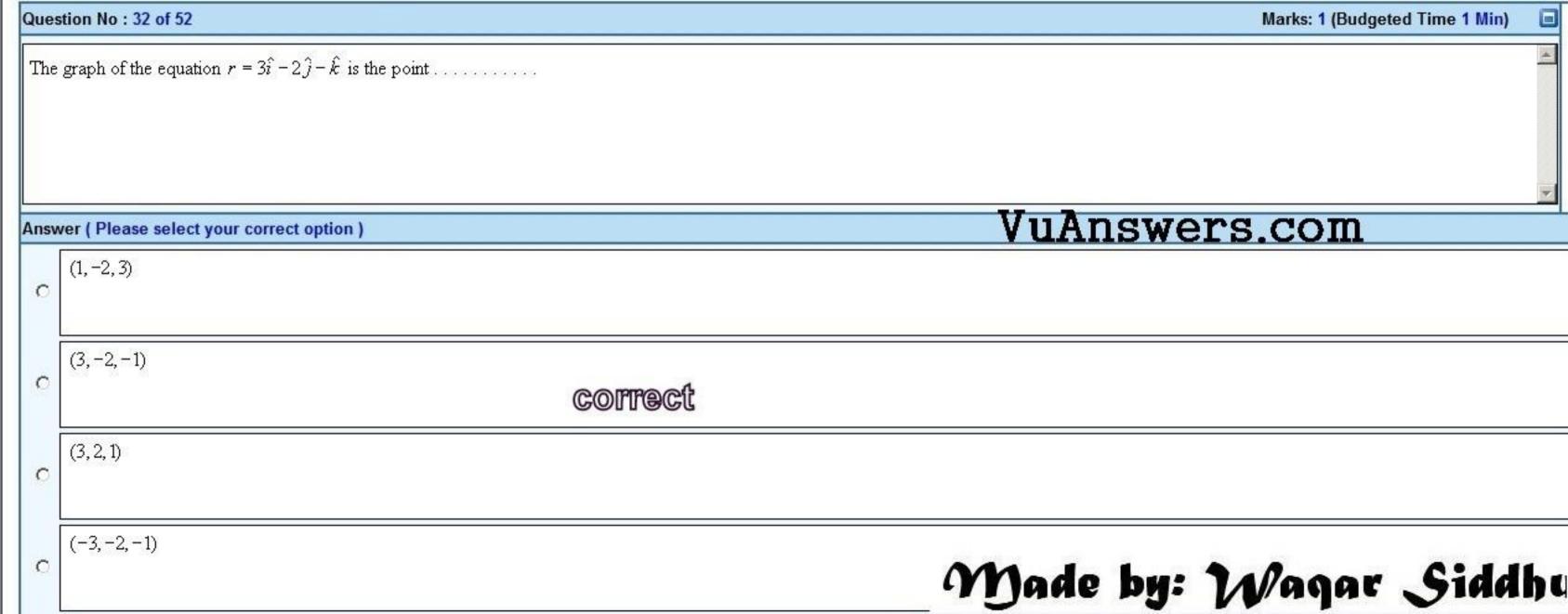




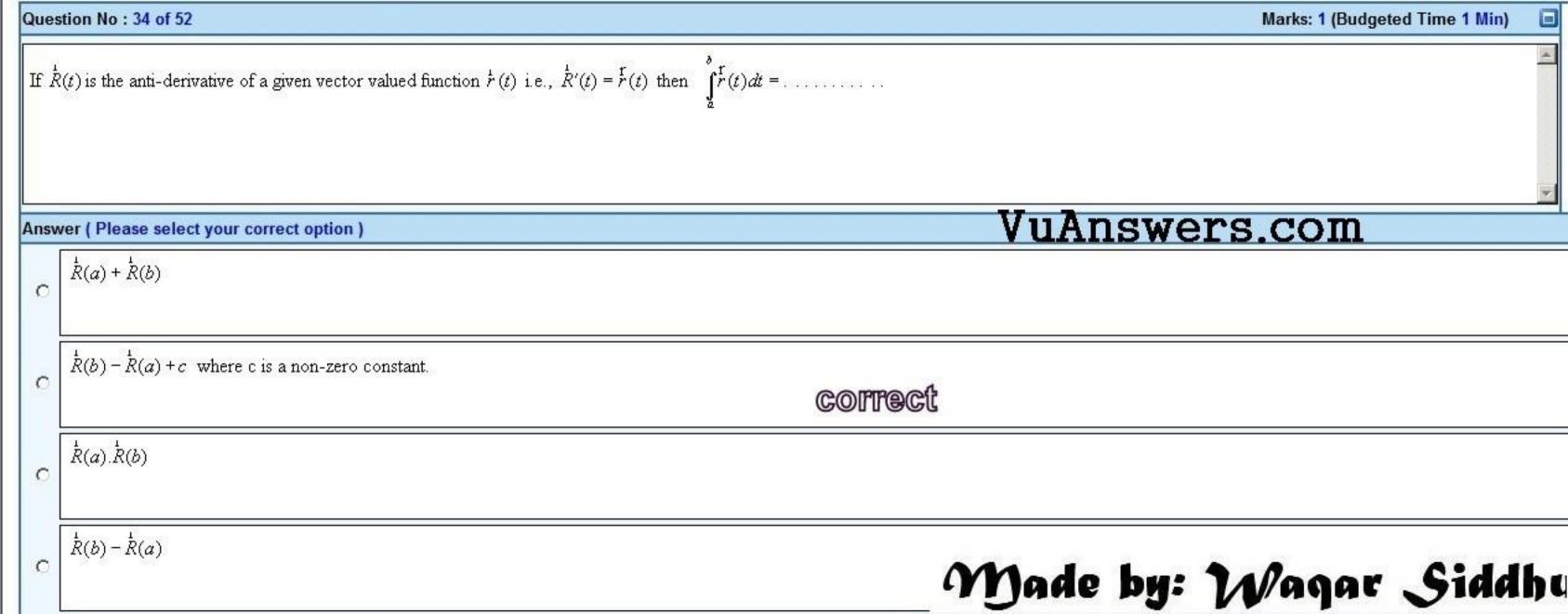


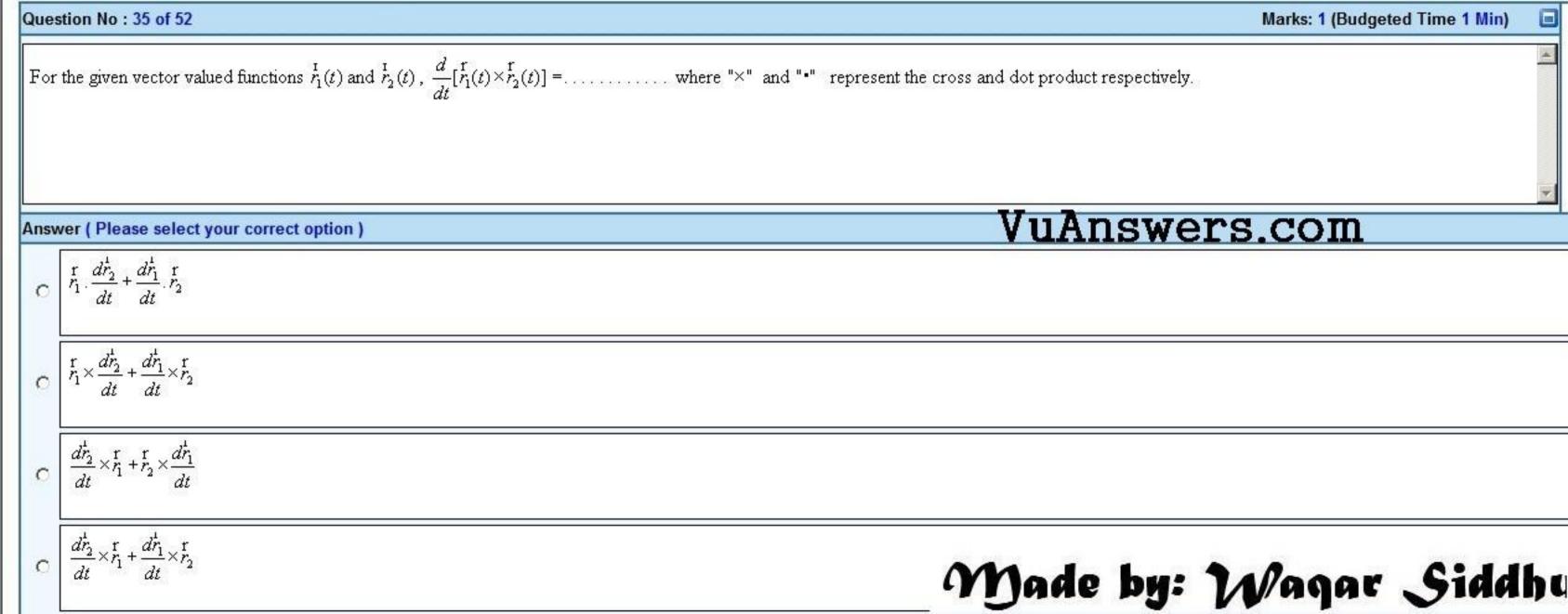
Question No : 30 of 52	Marks: 1 (Budgeted Time 1 Min)
If $p(r, \theta)$ is a point in polar coordinate system, then r is the distance of p from	
Answer (Please select your correct option)	VuAnswers.com
Pole COFFECT	
Imaginary axis	
None of these	
Polar axis	Made by: Wagar Siddho

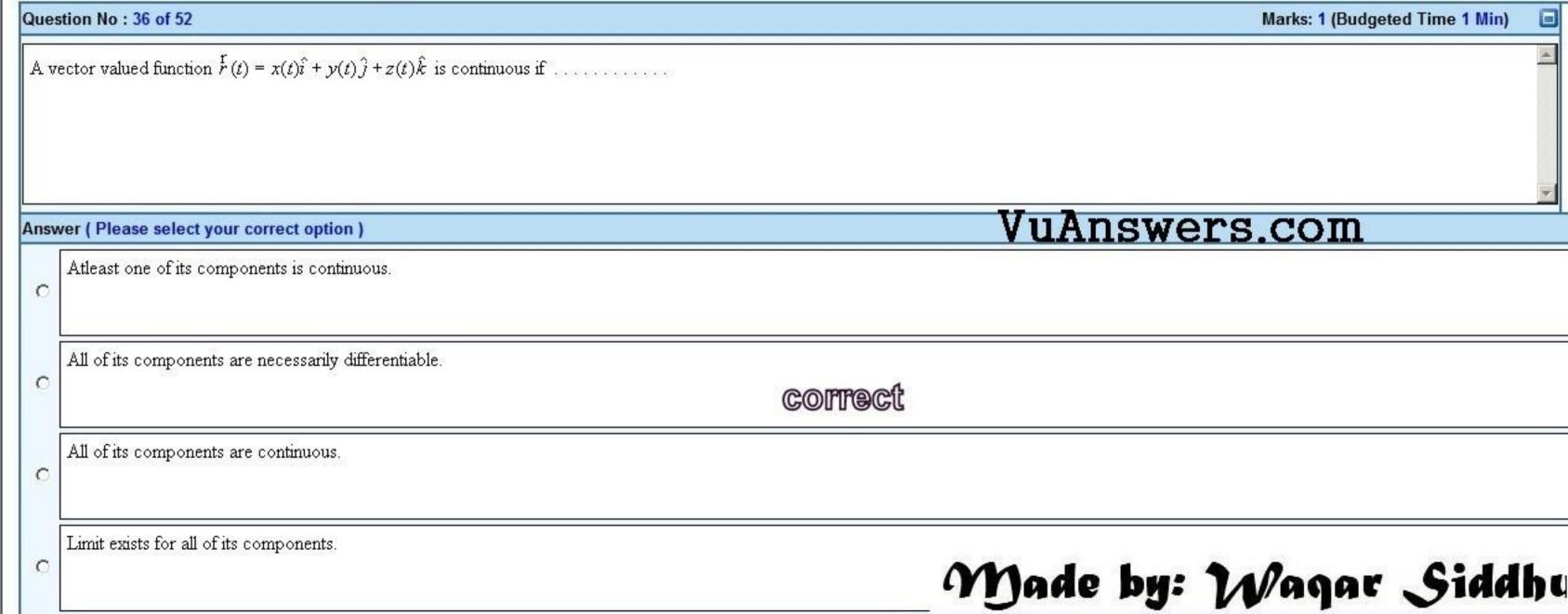




Question No : 33 of 52		Marks: 1 (Budgeted Time 1 Min)
The natural domain of a vect	tor valued function is the of the natural domains of its components	
Answer (Please select your	correct option)	VuAnswers.com
Product		
Summation		
Union	correct	
Intersection		Made by: Wagar Siddhe







Given a vector valued function
$$\hat{f}(t) = \frac{1}{(t-3)}\hat{i} + e^t\hat{j}$$
 and its anti-derivative $\hat{R}(t) = \ln(t-3)\hat{i} + e^t\hat{j}$, then $\int_{-1}^{1} f(t) dt = \dots$

Answer (Please select your correct option)

VuAnswers.com

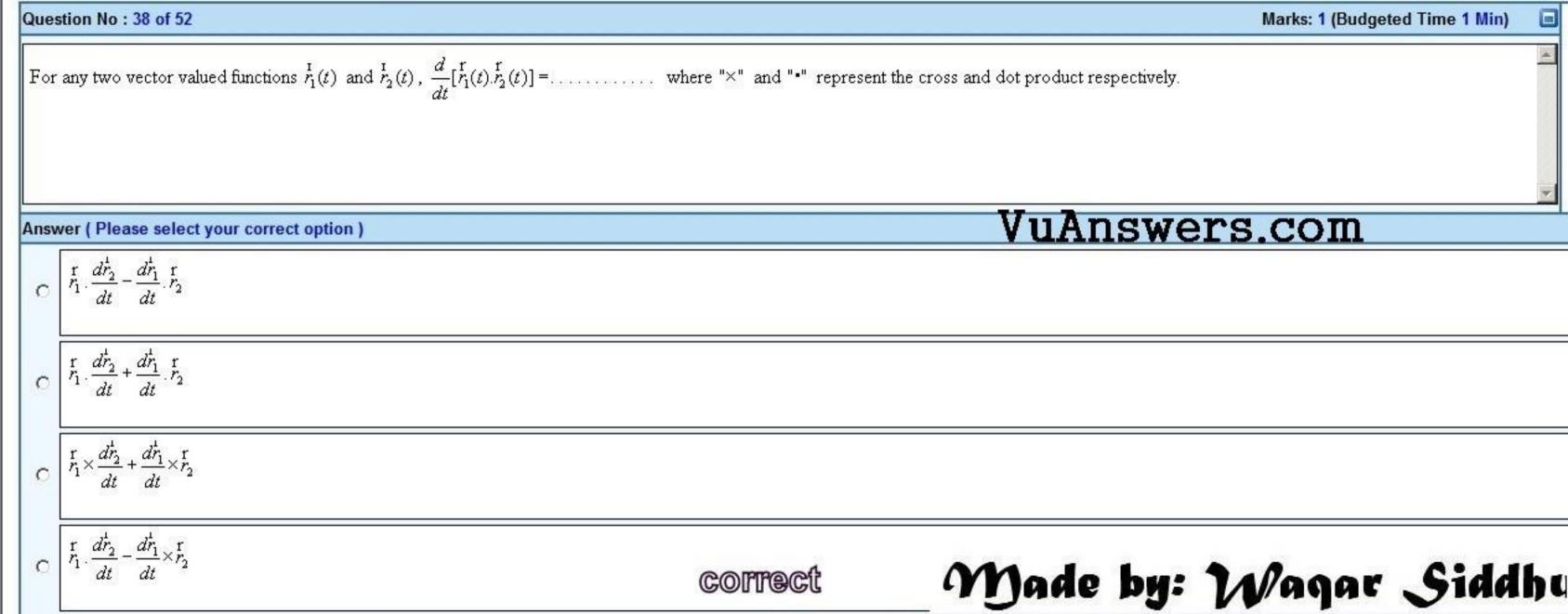
$$c \ln(t-3)\hat{i} + \frac{e^t}{2}\hat{j} + c$$

$$c (t-3)\hat{i} + \frac{e^t}{2}\hat{j} + c$$

$$c \frac{1}{(t-3)}\hat{i} + \frac{e^t}{2}\hat{j} + c$$

$$c \frac{1}{(t-3)}\hat{i} + e^t\hat{j}$$
COPPOCT

On the proof of the proof o



Question No : 39 of 52	Marks: 1 (Budgeted Time 1 Min)
A single curve can be represented by vector valued function(s).	
Answer (Please select your correct option)	VuAnswers.com
C Two	
Infinitely many	
Single	
correct	
C Three	Made by: Wagar Siddhu

Question No : 40 of 52		Marks: 1 (Budgeted Time 1 Min)
A function is said to be smooth if it's derivative is	on any value of its domain.	
Answer (Please select your correct option)		VuAnswers.com
c continuous and non zero		
piecewise continuous		
defined and non zero		
differentiable	correct	Made by: Waqar Siddhu

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