

75là1* 7+37 7+□&+ 7+¬1+ ,

Ä 7+, 0Đ1 72È1 .+Ô,
1 P KÑF

Thời gian làm bài: 90 phút.

0 m ÿ Å WKL

&kX *LŠL SKmkQJWURQK

\$ x %x & x ' x

&kX 7±S QJKLEP 6 FëD EOW SQkQJ WUuQK

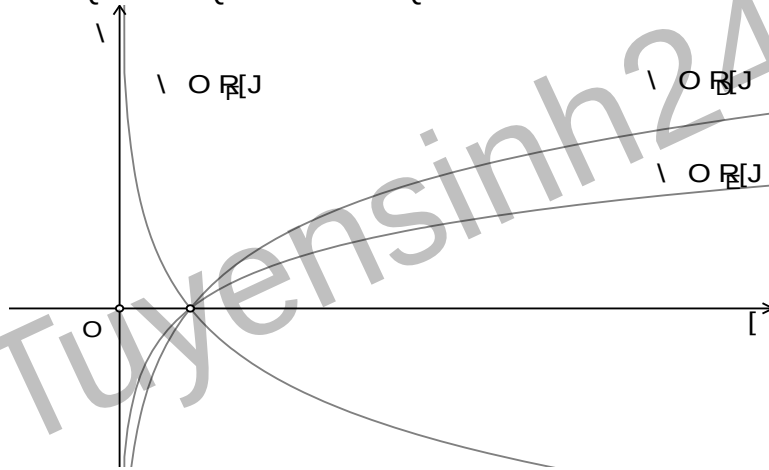
\$ S ? ' f %S f & S f ' 5 ?

&kX 7URQJ NK{QJ JLDVX{QJ KyF W MĐ yFKR PxWy SK·QJ 9HFWk

QjR VDX ÿk\ Oj YHFWk SKIS WX\ Ñ Q FëD P»W SK·QJ 3

\$ n %n & n ' n

&kX &KR ED VÕ Wk ðFN GmFkQJ × WKy KjR yVÕ x yORJx ÿmç FFKR
WURQJ KuQK YÁ ErQ



0ÈQK ÿÅ QjR VDX ÿk\ ÿ~QJ"

\$ c b a %a c b &c a b ' b c a

&kX ĐQJ \$Q Gõ yİQK JñL YjR QJkQ KjQJ PÝW QÖPW Ñ Å W ß μ QñL

Q P VÕ WLÅQ OmL VÁ ÿmçF QK±S YWRK YÖQ [EDVU·ÑX{QJ QSQ VJñLW

YjR QJkQ KjQJ yÇ VDX Q P VÕ WLÅQ OmL yēiPXDV ðY Ñ XFK Ñ Å F [H

\$ WULÉX ÿ×QJ WULÉX ÿ×QJ WULÉX ÿ×QJ WULÉX ÿ×QJ

&kX 9BL FiF VÕ Wk ðFN GmFkQJ 0ÈQK ÿÅ QjR GmBL ÿk\ ÿ~QJ"

\$ ORJ^a_b · ð Rj % ORJ^a_b ð Rj

& ORJ^a_b · ð Rj ' ORJ^a_b ð Rj b ORJ

&kX &KR FiF VÕ SKÉF iz iz i *ÑL \$ % & ' O«Q OmçW Oj

GLÉQz FëDz +ÓL Wí JLiF \$%&' Oj KuQK Ju "

\$ +uQK FKó QK±WQK WKDQJ&FkQK YX{QJ' +uQK EuQK KjQK

&kX &KR KjP VÕ -x .K·QJ yİQK QjR GmBL ÿk\ ÿ~QJ"

\$ &ðF WLÇX FëD KjP VÕ EμQJ &ðF WLÇX FëD KjP VÕ EμQJ

& &ðF WLÇX FëD KjP VÕ EμQJ &ðF WLÇX FëD KjP VÕ EμQJ

&kX 7XQJ ŷŸ JLDR ŷLÇP FëD FxŸ ŷx WKk KjpμQÖ

\$ - % & √ ' .

&kX &KR ELÇPX√WkxŸx YßL [! 0EQK ŷÅ QjR GmßL ŷk\ ŷ~QJ "

\$ P x⁻ %P x⁻ & P x⁻ ' P x⁻

&kX 7URQJ NK{QJ JLDQ 0ßL FëKRW FëRA(ŷL3Q)PYj P»W SK·QJ

(P):2x-5y+4z-36=0 7ÑD ŷŸ KuQK FKLÄKDYX(μQ)QjyF

\$ H(-1;-2;6) %H(1;-2;6) & H(1;-2;-6) ' H(1;2;6)

&kX 7tQK ŷ¥R Kjp FëDQkŸP VÖ

\$ y $\frac{\sqrt{x} e^{\sqrt{x}}}{e^{\sqrt{x}}}$ % y $\frac{\sqrt{x} e^{\sqrt{x}}}{e^{\sqrt{x}}}$

& y $\frac{e^{\sqrt{x}}}{\sqrt{x} e^{\sqrt{x}}}$ ' y $\frac{e^{\sqrt{x}}}{\sqrt{x} e^{\sqrt{x}}}$

&kX 7KLÄW GLËQ TXD WUéF FëD PÝW KuQKfQÖQ QjŸPÝW{QJD EμQJ
WtFK [XQJ TXDQK FëD KuQK QyQ Oj

\$ 2 $\frac{a^2}{2}$ % $\frac{a^2\sqrt{2}}{2}$ & $\frac{a^2\sqrt{2}}{3}$ ' $\frac{a^2\sqrt{2}}{4}$

&kX 0ÝW Y±W FKX\ÇQ ŷŸQJtWkHRYTX\W XßWk\ Oj NKRSQJ WKáL

Y±W E³W ŷ«X FKX\ÇQ ŷŸQJ Yj V PpWRQJ NKRSQJŷWkQJ Y±WQŷŷŷ
NKRSQJ WKáL JLDQ Jlk\ NÇ Wİ 0-FëQ³Q Ky«W FëD\ÇQWŷŸQW ŷm
QKLrX "

\$ P V % P V & P V ' P V

&kX &KR Kjp xÖx x 0EQK ŷÅ QjR GmßL ŷk\ ŷ~QJ "

\$ +jP VÖ QJKİFK ELÄQfWurQ%NKRSQJŷxQJ ELÄQ WburQ NKRSQJ

& +jP VÖ QJKİFK ELÄQfWurQ NKRSQJQJKİFK ELÄQ WburQ NKRSQJ

&kX &KR VÖ SKÍF 7 WKRS PmQjP SK«Q WKõF Yj SK«Q SR FëD]

\$ 3K«Q WKõF EμQJ SK«Q 3K«Q 3K«Q WKõF EμQJ SK«Q SR EμQJ

& 3K«Q WKõF EμQJ i SK«Q'SBKEQW WKõF EμQJ i SK«Q SR EμQJ

&kX &KR VÖ SKÍF j5D WKRD EμQz i 7tQK 3 D E

\$ P %P - & P ' P -

&kX 7uP QJX\rQ Kjp FëD Kjp VÖ

\$ 3 x dx $\frac{x}{OQ}$ C % 3 x dx $\frac{x}{OQ}$ C

& 3 x dx $\frac{x}{OQ}$ C ' 3 x dx $\frac{x}{OQ}$ C

&kX +uQK O QJ WUé Fy WKÇ Fy VÖ F¥QK Oj VÖ QjR VDX ŷk\ "

\$ % & ' .

&kX 7URQJ NK{QJ JLDQ YßL mPĖDWR¥yÿŹ 2[\] IFKR 9LĂW SKmkQ
WUuQK P»W F«X WkP , Yj W DĀS [~F YßL P»W SK·QJ

\$ x y z — %x y z

& x y z ' x y z —

&kX &KR Kjp=V(Ń [iF ŷİQK\{WU}Q OLRQ WéF WUrQ PŪL NKRSQJ [
ELĂQ WKLrQ VDX

+ÓL NK·QJ ŷİQK QjR GmßLŷk\ Oj NK·QJ ŷİQK
\$ × WKİ Kjp VŎ Fy KDL WLĖP F±Q=QJ DQJ=Oj FiF ŷmáQJ WK·QJ
%+jp VŎ ŷ¥W FŏF=WUİ W¥L ŷLÇP
& × WKİ Kjp VŎ F±QK DİQ W DĖ FiF ŷmáQJ WK·QJ
' +jp VŎ NK{QJ Fy ŷ¥R=OjP W¥L ŷLÇP

&kX máQJ WK·QJ QjR GmßL ŷk\ Oj WLĖP F±Q"QJDQJ FĖD ŷ× WK
\$ x %y & y ' x

&kX 7URQJ NK{QJ JLDQ YßL KĖ WRB¥ ŷŸ 2[\] FKR3KmkQJ WUu
P»W SK·QJ TXD \$ Yj YX{QJ JyF YßL ŷmáQJ WK·QJ %& Oj
\$ x y z %x y z & x y z ' x y z

&kX *ŃŁ z Oj FiF QJKLĖP SKÍF ĖĖDzSKmkQWUWZQJQK
Fy SK«Q šR GmkQJ 7uP VŎ SKÍFzOLrQ KçS FĖD VŎ SKÍF
\$ i % i & i ' i

&kX 7URQJ NK{QJ JLDQ YßL KĖ WRP¥ nŸ 2[\]z [pW YF]»YmSQJQWK·C
-X
d @ t t R • 7uP W©W Fš FiF JLi WUİ WKŏFQJFĖRQWKYDĖP
-Z t

SK·QJ 3
\$ 0ŃL P %m & m ' m z

&kX &KR Kjp VŎ OLRQ WéF WUrQŃDQJ KuQK SK·QJ JLßL K¥Q
C y f x WUéF KRjQK QKD[L Dŷm[áQJ Wkm KuQK YÁ

*L\$ VñO6 GLĚQ WtFK D&KŃQ QFK QSK WŃIF ŷ~QJ WURQJ FiF SKmK
GmBL ŷk\"

$$\begin{matrix} & & b & & & & b & & \\ \$ S & f & x & dx & 3 & f & x & dx & 3 & \% S & f & x & dx & 3 & f & x & dx & 3 \end{matrix}$$

$$\begin{matrix} & & b & & & & b & & \\ \& S & f & x & dx & 3 & f & x & dx & 3 & ' & S & f & x & dx & 3 & f & x & dx & 3 \end{matrix}$$

&kX 6Ō OmçQJ FēD OR¥L YL NKX-Q \$ WURQJWFKHVR SKQJWVKKE Q
WURQJ ŷy V Oj VŌ OmçQJ YL NKX-QJQY\$ QKFK-EDQ ŷyXVDK W SK~W
WKu VŌ OmçQJ YL NKX-Q \$ Oj QJŃQ-ŷERQ ŷyXOL VŌXOŃQJOKK
WULĚX FRQ "

$$\begin{matrix} \$ & SK\sim W & \% & SK\sim W & \& & SK\sim W & ' & SK\sim W \end{matrix}$$

&kX &KR KuQK FKySA(ABQ)'ABQYX{QJ WYLa% SC a 7KÇ WtFK NK
FKyS 6 \$%& EµQKR\$QJ FiFK Wī \$ ŷĂQ 6%& Oj

$$\begin{matrix} \$ & a & \% & a\sqrt{} & \& & a & ' & a\sqrt{} \end{matrix}$$

&kX &KR KuQK KŸS FKŃQKEY\$%Q' \$' D Dj \$SQK ERQFŃDQR»W
F«X QJR¥L WLĂS' WÍ GLĚQ \$&%

$$\begin{matrix} \$ & R & \underline{a\sqrt{}} & \% & R & \underline{a\sqrt{}} & \& & R & \underline{a\sqrt{}} & ' & R & \underline{a\sqrt{}} \end{matrix}$$

&kX &KR VŌZWKFFS PmQ| — i 0ĚQK ŷĂ QjR VDX ŷk\ ŷ~QJ "

$$\begin{matrix} \$ & |z| & \% & |z| & \& & |z| & \sqrt{} & ' & |z| \end{matrix}$$

&kX &KR O QJ WUé ŷíQJ %WDFJ FlyFyi\$%&\$ŃOX{QJDW¥LLa% %&

a√ JyF JLóD KDL P»W SK·QJ \$Ń%&QKYWISQ%&WtEKQNKŌL O QJ WU
\$ a√ % a√ & a√ ' a√

&kX Ç WtQK WtFK SKQ0ŸW KŃF VLQK OjP QKm VDX

$$\begin{matrix} \% & m\beta F & x & \sqrt{WQ} dx & \sqrt{tR} V \end{matrix}$$

$$\begin{matrix} \% & m\beta F & | & 9 & \pm & \sqrt{x} & dx & 3 & \sqrt[3]{} & t & tdt & 3 & V & L & Q \end{matrix}$$

$$\begin{matrix} \% & m\beta F & | & R & \sqrt[3]{Rt} \end{matrix}$$

$$\begin{matrix} \% & m\beta F & | & R & \sqrt[3]{y\beta} & FdtR & \sqrt{t} & \frac{t\sqrt[3]{S}}{\sqrt[3]{S}} & \frac{S}{\sqrt[3]{S}} & \cdot & V \end{matrix}$$

/áL JL\$L WUrQ ŷ~QJ KD\ VDL QĂX VDL WKu VDL Wī EmβF P©\"
\$ %mβF % %mβF & %mβF ' /áL JL\$L ŷ~QJ

&kX &KR WÍ GABĚQ ŷĂXĂW NKRSQJĂQFK»WBSK·QJQJ 7tQK WKÇ
V WÍ GLĚQĂX

$$\begin{matrix} \$ & V & \sqrt{} & \% & V & \sqrt{} & \& & V & \sqrt{} & ' & V & \sqrt{} \end{matrix}$$

&kX % LIĂW\$ — dx aOQb OQ YβL D E Oj FiF Vă QJX\ rQ 7tQK 6

$\$ S$ $\% S$ $\& S$ $' S$
 $\&kX$ $\&Kz$ Oj KDL VÕ SKÍF WKÓD Z P m QiZ \$ K % z Ñ W WUWQK JLi WUİ
 ELÇX PW kÍFz|
 $\$ P \sqrt{}$ $\% P \sqrt{}$ $\& P \sqrt{}$ $' P \sqrt{}$
 $\&kX$ $\&KR$ Kjp VÕ [iF yİQK WUQrQ WéF WURQ PÛL NKRSQJ [iF
 WKLrQ QKm VDX

7uP W±S KçS W©W F§ FiF JLi WUİ FQK WKID PFY Ÿ ~QJ V D R W KQJ K
 WKõF"

$\$ >$ $\% > f$ $\&$ f $,$ f
 $\&kX$;pW FiF VÕ WKõF D E WKRS PmQLD F!ED EZÇK WLi WUİ QKÓ Q

$$P \log_{\frac{a}{b}}^2 a^2 - 3 \log_b \frac{a}{b} \cdot \frac{a}{b}$$

$$\$ P_{min}^{13} \quad \% P_{min}^{14} \quad \& P_{min}^{15} \quad , \quad P_{min}^{19}$$

$\&kX$ $\&KR$ Kjp $\frac{ax}{cx} \frac{b}{d}$ Fy Ÿ× WKİ QKm KuQK YÁ

.K·QJ yİQK QjR VDX Ÿk\ Oj NK·QJ yİQK Ÿ~QJ"

$$\$ \frac{-ad}{bc} ! \quad \% \frac{-ad}{bc} !$$

$$\& \frac{-ad}{bc} ! \quad , \quad \frac{-ad}{bc}$$

$\&kX$ +Ñ QJX\rQ Kjp FëD KjpLVQÕ-FQJ

$$\$ Fx - \frac{-FCR}{x} \quad \% Fx - \frac{-VCL}{x} \quad \& Fx - \frac{-VCL}{x} \quad Q Fx - \frac{-FCR}{x} \quad V$$

$\&kX$ $\&KR$ KuQ\$ABCD\$y ABCD Oj KuQK WK B√F≠QKFE μQJ +DL
 P»W S(SAB)JY(\$AD) F•QJ YX{QJ JyF YβL Ÿi\ (SBE) J(ABCD)»WμQK·QJ
 7tQK NKRSQJAFjÅQ P»W(SBC)·QJ

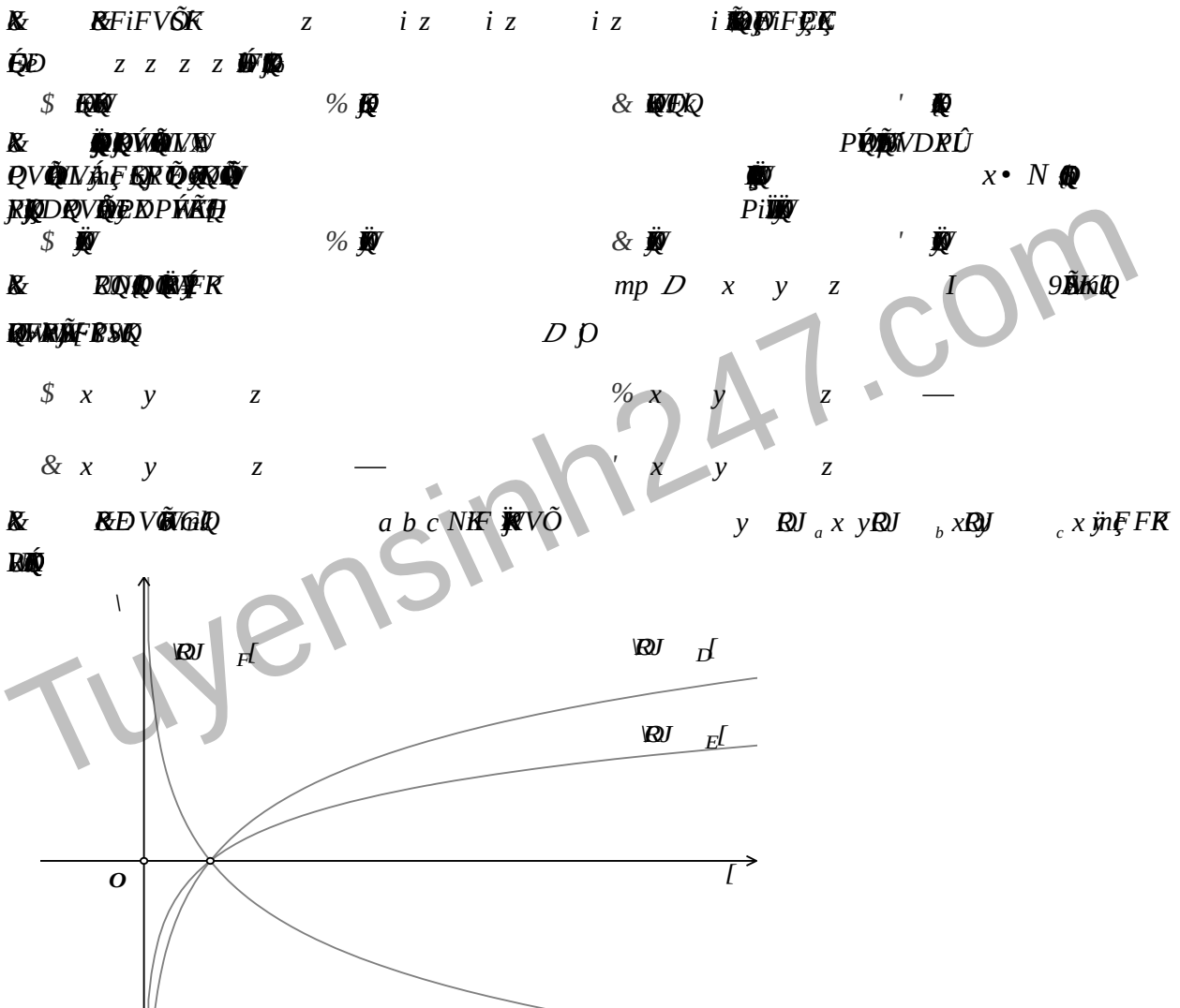
$$\$ h \ a\sqrt{3}. \quad \% h \ 2a\sqrt{2}. \quad \& h \ \frac{2a\sqrt{2}}{3}. \quad ' \ h \ \frac{3a\sqrt{2}}{2}.$$

$\&kX$ 1JmáL WD GõQJ WURQ P»W Ÿ©W EμPjY\$KWQJ P EFκL ÅFκQÅ F
 FKLÅX GjL Oj P Yj FKLÅX UÝQJ Oj Ø¥EμQK HRFYKR ¥Q SQ Ÿ(L WUQPF
 FKLÅX UÝQJ FëD W©P E¥W VDR FKR E¥W PpS fYOMÅ XjGfjHFKZQKQX
 YÁ xŸÇ NKRSQJ NK{QJ JLDQ SKtD WURQJ OÅX Oj OBQ QK©W"

\$ x % x & x \sqrt{} ' x \sqrt{}
 &kX 7uP W©W F§ FiF JLi WUİ FëD WKyDP VÖxWKöFy FE D Qÿñ á QW KW
 F±Q
 \$ m! % m & m z ' m!
 &kX 7uP W±S KçS W©W F§ FiF JLi WUİ yFëDQWKDñ VÖxWKöFEL Ñ Qÿ
 WUrQ NKfR\$QJ
 \$ > f % f & > ' f
 &kX % LÑW N Oj FiF ÿLÇP FöF WUİ y FæDbÿxWKİtQKP\ VÖ
 \$ y — % y — & y — ' y —
 &kX .t K L Ë X₂ O«Q OmçW Oj WKÇ WtFK KuQK F«X ÿkQj WİKÇ WQtK F
 WUZQ [RD\ VLQK UD NKL TXD\ KuQK S K=Q2x+2L B Lj K y n Q Q B ä E R y Q n
 $y = 2\sqrt{1-x^2}$ [XQJ TXDQK+WUéFVRV₁V₂QK
 \$ V₁>V₂. % V₁<V₂. & V₁=V₂. ' V₁=2V₂.
 &kX &KR KuQK WUé Fy WKLÑW GLËQ T×D LWEİÇQJOj PÝW K WQKÇ FV
 FëD NKÖL WUé ÿm FKR
 \$ — S % — S & — S ' — S
 &kX 7URQJ NK{QJ JLDQ YßL KË WñY ÿÝ B[\] FKR ÿñDLQJ LÇP·Q
 x y z *ÑL 0 Oj JLDR ÿLÇP FëD ÿmáQJ'W KtQK—AM MB VÖÿmáQJ
 \$ \frac{AM}{MB} % \frac{AM}{MB} - & \frac{AM}{MB} ' \frac{AM}{MB} -
 &kX *L\$Fvñ Oj PÝW QJX\ rQ KjPxFëD WJPrQÖNKR\$QJ] \frac{e^x}{x}dx
 0ËQK ÿÅ QjR GmßL ÿk\ ÿ~QJ "
 \$ I F F % I F F & I F F ' I F F
 &kX 7uP W±S KçS W©W F§ FiF JLi WQKİ Fñ D nW K D y P V Ö
 QJKLËP WKXÝF NKR\$QJ
 \$ % & >
 &kX 7URQJ NK{QJ JLDQYßL KË WñY ÿÝ B[\] \$ % P & Q
 VÖ WKöF GmkQJ WKÓD PmQ P Q 7KuP JWi FñXİ QJ KÖ LQ WQÑSFWD
 \$ \sqrt{} % \sqrt{} & \sqrt{} ' \sqrt{}

Tuyensinh247.com

Thei gian làm bài: 90 phút.

 $0m\bar{j}V$ 

$$H(-1;-2;6)$$

$$H(1;2;6)$$

$$H(1;-2;-6)$$

$$H(1;-2;6)$$

$$< y e^{\sqrt{x}} +$$

$$y \frac{e^{\sqrt{x}}}{\sqrt{x} e^{\sqrt{x}}}$$

$$y \frac{\sqrt{x} e^{\sqrt{x}}}{e^{\sqrt{x}}}$$

$$y \frac{e^{\sqrt{x}}}{\sqrt{x} e^{\sqrt{x}}}$$

$$y \frac{\sqrt{x} e^{\sqrt{x}}}{e^{\sqrt{x}}}$$

$$\sqrt{x}$$

$$x$$

$$x$$

$$P$$

$$mx y z$$

$$d \frac{-x}{y} t t R \cdot P W S F i F L W F F D W P V \tilde{O} y m Q V R Q R Q W$$

$$S$$

$$0 \tilde{N}$$

$$m z$$

$$A B C$$

$$P S Q R F E$$

$$x y z x y z x y z x y z$$

$$z \bar{z} i P S Q R F E$$

$$i$$

$$i$$

$$z z z z$$

$$F y S Q R F E D V \tilde{K}$$

$$z z$$

$$i i i i$$

$$a b \tilde{N} \textcircled{P S Q R F E}$$

$$C y f x P S Q R F E$$

$$D. P S Q R F E$$

$$G$$

$$S \int_a^b f(x) dx \int_a^b f(x) dx \int_a^b f(x) dx \int_a^b f(x) dx$$

$$S \int_a^b f(x) dx \int_a^b f(x) dx \int_a^b f(x) dx \int_a^b f(x) dx$$

$$F y F y$$

$$\frac{Sa^2\sqrt{2}}{4}$$

$$\frac{Sa^2\sqrt{2}}{3}$$

$$2Sa^2$$

$$\frac{Sa^2\sqrt{2}}{2}$$

0 \\

s -t t

W Pp W W
NR QN W

RNR QNR
F QD W R

R

\$ PV

% PV

& PV

' PV

R in W W W

P W W

F F F F F

W R R R R

F Q D R F R F P S F z Q D W

W W F R X

x P R

R x y R R R R R

\$ x

% x

& x $\sqrt{\quad}$

' x $\sqrt{\quad}$

R .t K V₁, V₂ O O O y

z V

$$y = -2x + 2$$

$$y = 2\sqrt{1-x^2}$$

Ox. VV

V₁, V₂.

$$V_1 > V_2.$$

$$V_1 < V_2.$$

$$V_1 = V_2.$$

$$V_1 = 2V_2.$$

<

SAA (ABC) ' ABC

$$SB \ a\sqrt{\quad} \ SC \ a\sqrt{\quad}$$

F S

a . R F

$$\sqrt{a}$$

% a

& a

$$\sqrt{a}$$

R Q D R R R R W

t R F V W

R Q D R R R R R

R Q V D R R R W

R Q D R R R R W

D R R R R R

R R Q

\$ S W

% S W

& S W

' S W

R W F R Q

$$I \ 3\sqrt{x} \ dx \ 0 \ W R Q$$

$$\frac{dx}{VQ} = \frac{dx}{FR} \frac{V}{t}$$

$$I \ \sqrt{x} \ dx \ \frac{s}{3} \sqrt{t} \ tdt \ 3 \ V \ L \ Q$$

$$I \ \frac{s}{3} \ F R V tdt$$

$$I \ -\frac{s}{3} \ F t \ H t \ V - t \ \frac{s}{s} \ \frac{S}{i} \ V$$

R V D R R R R R P

$$P$$

$$2a\sqrt{3} \square \quad BAD \square \quad \square \square$$

(SBC)Y (ABCD) ~~Y~~

$$\square \quad \square \quad M \begin{array}{|c|} \hline \square \\ \hline \end{array} \begin{array}{|c|} \hline \square \\ \hline \end{array} \begin{array}{|c|} \hline \square \\ \hline \end{array} \begin{array}{|c|} \hline \square \\ \hline \end{array} N \quad \mathcal{D} \mathcal{I} \mathcal{F} \mathcal{L} \mathcal{F} \mathcal{S} \mathcal{I} \mathcal{D} \mathcal{J} \mathcal{W} \mathcal{O}$$

\$ y — % y — & y — ' y —

$$a \quad b \quad c$$

' S

A	B	$\mathcal{J}(\mathcal{A}, \mathcal{B})$
1	1	1
1	2	0
1	3	0
1	4	0
1	5	0
1	6	0
1	7	0
1	8	0
1	9	0
1	10	0
1	11	0
1	12	0
1	13	0
1	14	0
1	15	0
1	16	0
1	17	0
1	18	0
1	19	0
1	20	0
1	21	0
1	22	0
1	23	0
1	24	0
1	25	0
1	26	0
1	27	0
1	28	0
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1	31	0
1	32	0
1	33	0
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1	50	0
1	51	0
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1	78	0
1	79	0
1	80	0
1	81	0
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1	84	0
1	85	0
1	86	0
1	87	0
1	88	0
1	89	0
1	90	0
1	91	0
1	92	0
1	93	0
1	94	0
1	95	0
1	96	0
1	97	0
1	98	0
1	99	0
1	100	0
2	1	0
2	2	1
2	3	0
2	4	0
2	5	0
2	6	0
2	7	0
2	8	0
2	9	0
2	10	0
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2	24	0
2	25	0
2	26	0
2	27	0
2	28	0
2	29	0
2	30	0
2	31	0
2	32	0
2	33	0
2	34	0
2	35	0
2	36	0
2	37	0
2	38	0
2	39	0
2		

$$\frac{AM}{MB}$$
$$, \frac{AM}{MB}$$
$$Q \quad x \quad m \quad x \quad m \quad Fy$$
 $BCD \rightarrow K$
$$\begin{array}{ccccccc} \$ & V & \frac{\sqrt{}}{} & \% & V & \sqrt{} & \& V & \frac{\sqrt{}}{} & ' & V & \sqrt{} \end{array}$$
$$\$ \quad |z| \quad \sqrt{\quad} \quad \% \quad |z| \quad \& \quad |z| \quad , \quad |z|$$
$$\text{\$ } R \frac{a\sqrt{}}{} \qquad \% R \frac{a\sqrt{}}{} \qquad \& R \frac{a\sqrt{}}{} \qquad , R \frac{a\sqrt{}}{}$$
$$y \quad Q \quad x \quad mx \quad \tilde{Q}$$
$$\$ > f \qquad \% \quad f \qquad \& > (\qquad ' \quad f \quad ($$

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Thời gian làm bài: 90 phút.

0m

$$y = f(x)$$

$$a > b$$

$$C = y = f(x)$$

$$S = \int_a^b f(x) dx$$

$$D. \int_a^b f(x) dx$$

$$S = \int_a^b f(x) dx$$

$$S = \int_a^b f(x) dx$$

$$S = \int_a^b f(x) dx$$

$$S = \int_a^b f(x) dx$$

$$y = f(x)$$

$$\mathbb{R} \setminus \{-1; 1\}$$

$$x = 0$$

$$\mathbb{R} \\ y = -2 \quad y = 2$$

$$x = -1 \quad x = 1$$

$$x = 0$$

$$y = x$$

$$f(x)$$

$$f(x)$$

$$f(x)$$

$$f(x)$$

$$f(x)$$

$$f(x)$$

$$f(x)$$

$$f(x)$$

$$\int_a^b f(x) dx = \frac{x}{Q} + C$$

$$\int_a^b f(x) dx = \frac{x}{Q} + C$$

$$3 \int x \, dx = \frac{x^2}{2} + C$$

$$3 \int x \, dx = \frac{x^2}{2} + C$$

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Oxyz P

A(-1;3;2)

(P): 2x - 5y + 4z - 36 = 0

H A (P) O

H(-1;-2;6)

H(1;2;6)

H(1;-2;-6)

H(1;-2;6)

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P mx y z 11/11/2020

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a b 11/11/2020

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\$ 11/11/2020 %

& ' 11/11/2020

$$\frac{a\sqrt{}}{}\quad\% \quad \frac{a\sqrt{}}{}\quad\& \quad \frac{a\sqrt{}}{}\quad,\quad \frac{a\sqrt{}}{}$$

$$\& \quad .t\ddot{K} \quad V_1,\,V_2\,OOOy$$

$$z\,V$$

$$y=-2x+2$$

$$y=2\sqrt{1-x^2}$$

$$Ox.VV$$

$$V_1,\,V_2.$$

$$V_1=V_2.$$

$$V_1<V_2.$$

$$V_1=2V_2.$$

$$V_1>V_2.$$

$$<$$

$$y\,\frac{x}{x\,\sqrt{mx}}\,Fy\mathcal{D}\mathfrak{m}\mathfrak{V}$$

$$F\mathcal{Q}$$

$$\mathcal{S}\,m!$$

$$\% \quad m \quad z$$

$$\& \quad m$$

$$,\,m!$$

$$\& \quad \mathfrak{K}\mathfrak{V}\mathfrak{O} \quad y\,\frac{ax}{cx}\frac{b}{d}\,Fy\mathfrak{K}\mathfrak{O}$$

$$\mathfrak{V}\mathfrak{D}\mathfrak{V}\mathfrak{O}$$

$$\mathcal{S}\,-ad!$$

$$\% \quad \mathbb{R}\frac{}{bc}$$

$$\% \quad \mathbb{R}\frac{}{bc}!$$

$$\& \quad \mathbb{R}\frac{}{bc}!$$

$$,\,\mathbb{R}\frac{}{bc}$$

$$\& \quad p\mathfrak{H}\mathfrak{F}\mathfrak{V}\mathfrak{O}\mathfrak{D}\mathfrak{K}\mathfrak{g}\mathfrak{m}\mathfrak{Q}\mathfrak{L}\mathfrak{V}$$

$$p\mathcal{Q}\,F\mathfrak{D}\mathfrak{V}$$

$$P\,\log^2_{\frac{a}{b}}a^2\,3\log_b\frac{\mathcal{S}}{bc}\mathfrak{L}$$

$$\square\,P_{min}\,\square\,3\,\square$$

$$\square\,P_{min}\,\square\,4\,\square$$

$$\square\,P_{min}\,\square\,5\,\square$$

$$\square\,P_{min}\,\square\,9\,\square$$

$$\square$$

$$\square$$

$$\square$$

$$\square\,\frac{\square}{\square}\mathcal{L}\,\square$$

$$\square\,\frac{\square}{\square}\mathcal{L}\,\square$$

$$\square\,\frac{\square}{\square}\mathcal{L}\,\square$$

$$\square\,\frac{\square}{\square}\mathcal{L}\,\square$$

$$\square\,\square\square\square\square\square\square$$

$$A\square\square\square\square\square\square B\,\mathfrak{L}\mathfrak{m}\mathfrak{V}$$

$$\mathfrak{X}\,\frac{y}{}\,\frac{z}{}\mathfrak{D}\mathfrak{R}\mathfrak{E}\mathfrak{F}\mathfrak{D}\mathfrak{m}\mathfrak{V}$$

$$,\,\mathfrak{L}\mathfrak{O}\,\frac{AM}{MB}$$

$$\mathcal{S}\,\frac{AM}{MB}$$

$$\% \quad \frac{AM}{MB}\,-$$

$$\& \quad \frac{AM}{MB}\,-$$

$$,\,\frac{AM}{MB}$$

$$\& \quad \mathfrak{R}\mathfrak{O}\mathfrak{Q}\mathfrak{V}$$

$$Oxyz\,PPPO$$

$$VPPP$$

$$P$$

$$\sqrt{}$$

$$\sqrt{}$$

$$\sqrt{}$$

$$\sqrt{}$$

$$PPV$$

$$f\,x\,\frac{}{x}\,V\,\frac{-V}{x}\,\frac{-\mathcal{O}}{x}$$

$$\mathcal{S}\,F\,x\,-\,\frac{V-L}{x}\mathfrak{Q}$$

$$\% \,F\,x\,-\,\frac{F-R}{x}\mathfrak{V}$$

$$\& \,F\,x\,-\,\frac{V-L}{x}\mathfrak{Q}$$

$$,\,F\,x\,-\,\frac{F-R}{x}\mathfrak{V}$$

$$\& \quad \mathfrak{K}\,M\,N\,\mathfrak{D}\mathfrak{I}\mathfrak{F}\mathfrak{F}\mathfrak{L}\mathfrak{D}\mathfrak{V}\mathfrak{O}$$

$$y\,ax\,b\,\frac{c}{x}\mathfrak{Q}$$

$$\mathcal{S}\,y\,-$$

$$\% \,y\,-$$

$$\& \,y\,-$$

$$,\,y\,-$$

$$\& \quad \mathfrak{K}\mathfrak{V}\mathfrak{K}\,z\,\mathfrak{K}\mathfrak{g}\mathfrak{m}\mathfrak{Q}\,i\,|z|\,\frac{}{z}\,i\mathfrak{O}\mathfrak{V}\mathfrak{D}\mathfrak{V}$$

$$\begin{aligned} & \frac{d}{dx} \left(x \sqrt{x} \right) = x \frac{d}{dx} \sqrt{x} + \sqrt{x} \frac{d}{dx} x \\ & = x \cdot \frac{1}{2\sqrt{x}} + \sqrt{x} \cdot 1 \\ & = \frac{x}{2\sqrt{x}} + \sqrt{x} \\ & = \frac{\sqrt{x}}{2} + \sqrt{x} \\ & = \frac{3\sqrt{x}}{2} \end{aligned}$$

$$\begin{array}{l} \mathbb{R} \quad f \times \quad m \text{ Fy} \quad \mathbb{R} \\ \mathbb{R}' \\ \$ > f \quad \% \quad f \quad \& > \quad ' \quad f \\ \mathbb{R} \quad \mathbb{P} \text{ W } \mathbb{K} \text{ W } \mathbb{F} \$ \text{ F i F } \mathbb{L} \text{ W } \mathbb{F} \mathbb{D} \mathbb{W} \mathbb{P} \tilde{\mathbb{V}} \mathbb{D} \text{ F } \mathbb{P} \text{ J } \mathbb{S} \mathbb{K} \mathbb{Q} \text{ W} \quad \mathbb{R} \quad \times \quad m \quad \times \quad m \quad \text{Fy} \\ \mathbb{R} \mathbb{N} \mathbb{R} \mathbb{Q} \\ \$ > \quad (\quad \% \quad \& \quad ' > \quad (\end{array}$$

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Thei gian làm bài: 90 phút.

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9EiFVŃGD a b

\$ RJ ab RJ a b

% RJ ab RJ b

& RJ $\frac{as}{b\odot}$ RJ $\frac{1}{1}$ a b

' RJ $\frac{as}{b\odot}$ RJ $\frac{1}{1}$ b a

3RFDKŃ

$Q \times Q$ x p

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BQNDQKŃ ý

Oxyz P

A(-1;3;2)

(P): 2x - 5y + 4z - 36 = 0

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(P) O

H(1;2;6)

H(1;-2;-6)

H(-1;-2;6)

H(1;-2;6)

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RFDRVŌ

y Q $e^{\sqrt{x}}$

\$ y $\frac{e^{\sqrt{x}}}{\sqrt{x} e^{\sqrt{x}}}$

% y $\frac{\sqrt{x} e^{\sqrt{x}}}{e^{\sqrt{x}}}$

& y $\frac{e^{\sqrt{x}}}{\sqrt{x} e^{\sqrt{x}}}$

' y $\frac{\sqrt{x} e^{\sqrt{x}}}{e^{\sqrt{x}}}$

SKŃ

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y x x x 0RŃ

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R P VŌ

y = f(x)

$\mathbb{R} \setminus \{-1;1\}$

$$mp\ D\ x\ y\ z\ I\ 9\tilde{A}KQ$$

QWVUFSQ

D p

$$\S\ x\ y\ z$$

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$$\& \ x\ y\ z\ \text{---}$$

$$' \ x\ y\ z\ \text{---}$$

$$\& \ \tilde{R}RV\tilde{O} \ y\ -x\ -x\ \tilde{R}Q\tilde{R}$$

$$\S \ \tilde{R}RV\tilde{O}$$

$$\% \ \tilde{R}RV\tilde{O}$$

$$\& \ \tilde{R}RV\tilde{O} \ \text{---}$$

$$' \ \tilde{R}RV\tilde{O}$$

$$\& \ m\tilde{R}RV\tilde{O}\tilde{R}V\tilde{O}$$

$$y\ \frac{x}{x}''$$

$$\S\ y\ \%\ x$$

$$\& \ y$$

RQWVUFSQ

$$P\ mx\ y\ z\ jn\tilde{R}$$

$$d\ \overset{-x}{\circ} \ @y\ t\ t\ R\bullet\ \tilde{P}\ \tilde{W}\ \tilde{S}\tilde{F}\tilde{i}\tilde{F}\ \tilde{L}\ \tilde{W}\tilde{F}\ \tilde{F}\tilde{D}\ \tilde{W}\tilde{P}\ \tilde{V}\tilde{O}\ \tilde{y}\tilde{m}\tilde{Q}\tilde{Q}\tilde{V}\tilde{R}$$

QWVU

SQ

$$\S\ m\ \%\ 0\tilde{N}$$

$$\& \ m\ z$$

$$' \ m$$

RQWVUFSQ

PQWVDRU

QWVUFSQWVUFSQ

$$x\bullet\ N\ \tilde{R}$$

RQWVUFSQPWVUFSQ

PiWV

$$\S\ \tilde{W}\ \%\ \tilde{W}$$

$$\& \ \tilde{W}$$

RQWVUFSQPWVUFSQ

FyFQWVUFSQ

WVUFSQWVUFSQ

$$\S\ \frac{Sa^2\sqrt{2}}{4}$$

$$\frac{Sa^2\sqrt{2}}{3}$$

$$2Sa^2$$

$$\frac{Sa^2\sqrt{2}}{2}$$

$$y\ x\ y\ x\ x\ \tilde{R}$$

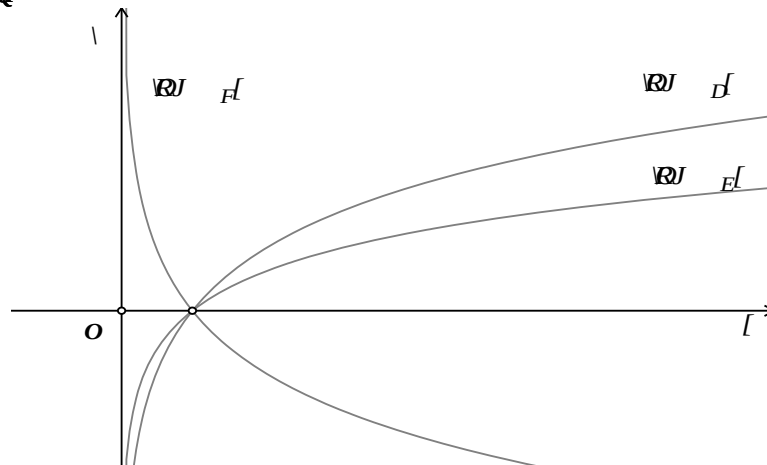
$$\S\ \text{---}\ \%$$

$$\& \ \sqrt{\quad},$$

RQWVUFSQ

$$a\ b\ c\ N\tilde{F}\ j\tilde{V}\tilde{O}\ \tilde{R}j\ \tilde{R}j\ y\ \tilde{R}j_a\ x\ y\ _b\ x\ y\ _c\ x\ jn\tilde{F}\tilde{F}\tilde{R}$$

RQ



RQ

Oxyz PPPO

VPPP

P

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$$f(x) = m Fy$$

V'

$$\$ > f \quad \% \quad f \quad \& > \quad ' \quad f$$

[illegible]

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ĐƠN VỊ ĐỀ NGHỊ

~~Q~~Qy VDS ~~SN~~ DSN

MONRODORU

DE~~Q~~^Q~~Q~~^Q

$\ddot{M}RQ$

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$$\mathbb{R} \quad \mathbb{S}/\tilde{n} \quad F \times \mathcal{P}(F) \quad \mathcal{P}(F) \times \mathcal{P}(F)$$

$$f(x) = \frac{e^x}{x} \quad f'(x) = \frac{e^x}{x^2} - \frac{e^x}{x^2} = -\frac{e^x}{x^2}$$

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\$ I F F % I F F & I F F ' I F F

R **R̃FDRVÕ**

$$f_x = \frac{VQ}{x} - \frac{FRV}{x} - p$$

$$\S \quad F_X \quad - \quad \frac{V-L\mathbb{Q}}{X} \quad \% \quad F_X \quad - \quad \frac{F-R\mathbb{V}}{X} \quad \& \quad F_X \quad - \quad \frac{V-L\mathbb{Q}}{X} \quad ' \quad F_X \quad - \quad \frac{F-R\mathbb{V}}{X}$$

~~SECRET~~

$$I = 3\sqrt{x} \, dx \Big|_0^1 = 3\sqrt{x} \Big|_0^1 = 3\sqrt{1} - 3\sqrt{0} = 3 - 0 = 3$$

$$\frac{d}{dt} \int_{\Omega} \rho \left(\frac{1}{2} v^2 + \frac{1}{2} \kappa \theta^2 \right) dx = \int_{\Omega} \rho F \ddot{v} dt$$

$$I = \int_0^s \sqrt{x} dx = \frac{2}{3} \sqrt{s} \int_0^s t dt = \frac{2}{3} \sqrt{s} \cdot \frac{1}{2} s = \frac{1}{3} s^{3/2}$$

$$\frac{1}{R} \frac{dR}{dt} = \frac{1}{3R} \frac{dR}{dt}$$

$\frac{I}{S} = \frac{-3}{S}$

VDQDMEPC

\$ 000 % 000 & 000 ' 000

~~REK~~ ~~REK~~ ~~S ABCD Fyy~~ ~~ABCD REK~~

$$2a\sqrt{3} \square \quad BAD \square \quad \square \square \square$$

$\square$ (SAB) γ (SAD) $F \rightarrow F^*$ $F \rightarrow P \rightarrow Q$

(SBC) $\nexists$ (ABCD) ~~$\nexists$~~

$$h \sqsubseteq A_{\tilde{R}} \quad (\text{SBC})$$

$$\begin{array}{ccccccc} \$ & h \square \frac{2a\sqrt{2}}{3}. \square & \square h \square a\sqrt{3}. \square & \square h \square \frac{3a\sqrt{2}}{2}. \square & \square h \square 2a\sqrt{2}. \square & \square h \square \frac{a\sqrt{2}}{2}. \square & \square h \square \frac{a\sqrt{2}}{3}. \square \end{array}$$

$$\begin{array}{ccccccc} \boxed{\boxed{}} & \boxed{} & \boxed{} & m & \boxed{} & m & Fy \end{array}$$

~~QINRQ~~

\$ > (% & ' > (

[illegible]

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