

6 â *, È2 'è& 9¬ ¬2 7²2 9¬1+ 3+& .6&/ &È& 0Đ1 7+, 7+37 48Ô& *, \$ /ª1
 75lª1* 7+37 &+8<Ç1 9¬1+ 3+Ô&
 I thi có 05 trang)

1 0 +Đ&
 0Đ1 72 È 1
 Thời gian làm bài: 90 phút;
 (Không kể thời gian giao ý)

0 m ý Ả WKL

+Ñ WrQ WKt VLQK
 6Õ EiR GDQK

&kX 7URQJ NK{QJ JLDQ %KRÿLQ P Q DVK ·QJ\ ÿmáQJ WK ·QJ YX{QJ
 %"

\$ % & 9{ VÕ '

&kX 7tQK ÿ¥R KjP FëDx⁷Kj²P⁵V³.

\$ ya x⁶ 2x⁴ 3x². %ya 7x⁶ 10x⁴ 6x².

& ya 7x⁶ 10x⁴ 6x². ' ya 7x⁶ 10x⁴ 9x².

&kX 7uIP $\lim \frac{8n^5 - 2n^3 - 1}{4n^5 - 2n^2 - 1}$.

\$ l 2. %l 8. & l 1. ' l 4.

&kX 7URQJ P»W SOK; QFKW ÑP FyW 7uP SQK Æ12 ÿLÇP SKpS WlQK
 WLÃQ WK^GHR YHFWk

\$ Aa 4; 3. %Aa 2;3. & Aa 4;3. ' Aa 2;7.

&kX 7tQK WKÇ WtFK NKÕL WUzQ [RD\ ÿmáQJ f x WOXéFj KDL ÿmáQa xWK ·[QJ TXDQK WUéF

\$ $\int_a^b \frac{1}{x} dx$ % $\int_a^b \frac{1}{x} dx$ & $\int_a^b \frac{1}{x} dx$ ' $\int_a^b \frac{1}{x} dx$

&kX 1JX\lRQ KjP FëDxKjP RWOj

\$ VLxQC % -VLxQC & VLxQC ' -VLxQC

&kX +jP yÕx⁴ 2x² 1 Fy EDR QKLrX ÿLÇP FõF WUİ"

\$ 1. %0 & 3 ' 2

&kX 6Õ QjR WURQJ FiF VÕ VDX OßQ KkQ

\$ $\log_{0,5} \frac{1}{8}$. % $\log_{0,2} 125$. & $\log_{\frac{1}{6}} 36$. ' $\log_{0,5} \frac{1}{2}$.

&kX 7ÙQJ VÕ ýÍQK VÕ F¥QK Yj VÕ P»W FëD KuQK O±S SKmkQJ
 \$ 16. %26. & 8. ' 24.

&kX 7i FiF F1K 3VÕy WKÇ O±S ÿmçF EDR3 QFKlór X VÕ ÑW Æ QKDrQ ÿF y
 \$ 8. %6. & 9. ' 3.

&kX &KR KjpF(x) ÕFy EßQJ ELÃQ WKLrQ QKm KuQK GmßL ÿk\ .K
 ÿ~QJ"

\$ +jP VÕ ÿ¥W FxõF 2WLÇX W¥L+jP VÕ ÿ¥W FxõF 4.WLÇX W¥L

& +jP VÕ ÿ¥W FxõF 2.WLÇX W¥L+jP VÕ ÿ¥W FxõF 3. ÿ¥L W¥L

&kX 7uP PÝW QJX\FQ K jFf ë D f xKaj $\frac{b}{x}$ x V Æ LÃW UµQJ
F F f

\$ F x $\frac{x}{x}$ $\frac{x}{x}$ - ~ %F x $\frac{x}{x}$ $\frac{x}{x}$ - ~

& F x $\frac{x}{x}$ $\frac{x}{x}$ - ~ ' F x $\frac{x}{x}$ $\frac{x}{x}$ - ~

&kX 7URQJ NK{QJ JLDQ Yxyz KËKWUKEBAWjLQ BÿÝ %LÃW
UµQJ W±S KçS W LFR QJÇPK{QJ JLDQ WAMÓDBM m Q jDQ P ÝWK IF» W F«X
S 7ÑD ÿÝWjEFQ RntQED P»W ÆjX

\$ I R %I R $\sqrt{\quad}$

& I R ' I R $\sqrt{\quad}$

&kX &KR K jP M Õ $\frac{2\sqrt{1} x \sqrt[3]{8} x}{x}$. 7tQrkf x.

\$ $\frac{1}{12}$. % $\frac{13}{12}$. & d. ' $\frac{10}{11}$.

&kX 6 Õ QJKLËP FèD \$KmkQJx WxUuQK^{*} x x x x Oj

\$ 1. %3. & 2. ' 4.

&kX &KR KuQSA BCD ySy ABCD Oj KuQK Yx{SA FxQKJ JyF YBL ÿil
SA a $\sqrt{\quad}$ *ÑBLdcOj KuQK FKLÃxQFØBçSD Or>QW S ABQJ FSOV WçL
7KÇ WtFK S ABQD FQjyCS

\$ v $\frac{a\sqrt{\quad}}{\quad}$ %v $\frac{a\sqrt{\quad}}{\quad}$ & v $\frac{a\sqrt{\quad}}{\quad}$ ' v $\frac{a\sqrt{\quad}}{\quad}$ ~

&kX &KR F©S WjEFAWQJYjs_n S_n 7uP VÕ K¥QJYÿ«FQMLFQD F©S
VÕ FÝQJ

\$ u d %u d & u d ' u d

&kX &KR KuQSA BCD ySy ÿil Oj KuQK WADQJ SDX{QJ QW¥LyF YBL P»V
ÿi\ABCD); AD 2a; SD a $\sqrt{2}$. 7tQK NKR\$QJ FiFK JdóD jÿm»AW JSABQ QJ

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

&kX 7URQJ KuQSA BCD ySy W©W F\$ FiF F¥QK ÿÅX EµQJ QKDX 7U
PËQK ÿÅ QjR VDL"

\$ BBcABD %ACcABD & AB ADcC ' BC AAD c

&kX &KR ÿx WKÇ K jFf x Õ x x 7i ÿLÇP \$ N ç ÿmç F EDR QKLr
WX\ÃQ WBL

\$ 1. %2. & 4. ' 3.

&kX 7URQJ NK{QJ JLDQ YBL KËxyzWUËKR WñiF ÿÝÇP
A B C D +ÓL Fy EDR QKLrX ÿLÇP»W FiFSK·QAX

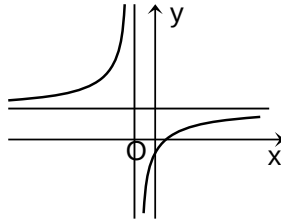
ABC BCD CDA DAB

\$ % & ' ,

&kX 9BL PÝW ŷ-D SK·QJ KuQK WUZSK Eμ QJ PWRÝW EiiQ SKQEK EμQJ
PÝW KuQK TX¥W FèD ŷ-D Qj\ Yj J©SQSK*ŃQ FŷQGOŁŁF XQKJ QKUŁŃWF &
FzQ O¥L70P ŷÇ WKÇ WtFK NKÖL QyQ W¥R WKjQK QK±Q JLi WUİ O

$$\begin{aligned} \$x & \frac{\mathfrak{R}\sqrt{}}{} & \%x & \frac{\mathfrak{R}\sqrt{}}{} & & x & \frac{\mathfrak{R}\sqrt{}}{} & & ' & x & \frac{\mathfrak{R}\sqrt{}}{} & & \sim \end{aligned}$$

&kX +uQK YÁ ErQ GmßL Oj $\frac{ax}{cx} - \frac{b}{d}$ W.ŃE Q&Dŷ Åj Rj RÖVDX ŷk\ Oj ŷ~QJ"



$$\begin{aligned} \$bd & 0, ab & 0 & & \%ad & 0, ab & 0 & & \&ad & 0, ab & 0 & & ' & bd & 0, ad & 0 \end{aligned}$$

&kX 7uP W©W F§ FiF JLi Wuİ W¥mFmFèD QJKÖPKVĖLĀQ WURQ N

$$\frac{\$}{\textcircled{1}} \cdot$$

$$\begin{aligned} \$m! & & \%m d & KR \gg Fmd \\ \&m d & & ' m d \end{aligned}$$

&kX 0ÝW { W{ ŷDQJ FKn\$ WSKLuVÖFm áYŁ OİL ŷ¥S SKDQK Wİ WKáL
ŷÝQJ FK±P G«Q ŷÅX YmßL WURtQDjŷNKRŠQJ WKáL JLDQ WtQK EμQ
E³W ŷ«X ŷ¥S SKDQK +ÖL Wİ O~F ŷ¥S QKÖLQKKYĀQ QNĖDFGİQKLKXQP
\$ 8m. & 5m. 20m.

&kX *ŃŁ Oj VÖ WKõF GmkQJ VDR FKR³ WmŷāQ JWyİK QD VÖW¥L
KDL ŷĀÇ FVKÖD PmQABDR{QLDFOYQJ JÖF WŃD ŷÝ . ĀW OX±Q QjR VD

$$\begin{aligned} \$m \cdot - \frac{\$}{\textcircled{1}} & & ' & \%m \cdot - \frac{\$}{\textcircled{1}} & & ' & \&m \cdot - \frac{\$}{\textcircled{1}} & & ' & m \cdot - \frac{\$}{\textcircled{1}} & & ' \end{aligned}$$

&kX 7i FiF FKó VÖ Fy WKÇ O±S ŷmÇ WDRQKŁQXO¿ Fy EÖQ FKó
NKİF QKDX Yj SKŠL Fy P»W FKó VÖ
\$ 36 VÖ & 228 VÖ ' 144 VÖ

&kX 7URQJ NK{QJ JLDQ OYŁ FĖR V KĖE WŃD ŷÝ 7uP WŃD ŷÝ
ŷLQMP VDR FKR ĖAÇXMBVKŷFW JLi WUİ QKÓ QK©W

$$\begin{aligned} \$M & & \%M & & \&M & & ' & M & - - & \frac{\$}{\textcircled{1}} & & ' \end{aligned}$$

&kX 7uP W±S FiF JLi Wuİ ŷQSKFmKQD WŃDQKVÖm Fy ŷ~QJ
KDL QJKLĖP kP SKkQ ELĖW

$$\begin{aligned} \$ & 2;4. & \% & 3;5. & & \& & 4;5. & & , & 5;6. \end{aligned}$$

&kX &KR KuQK SABQFSy ŷABC Oj WDP JLiF YXWYŁ FkQ
BAB BC a√ SAB SCB Yj NKRŠQJAFiŷĀQWP»WBCSEμQJ 7tQK
GLĖQ WtFK P»W F«X QABY WŃĀS KuQK Fkys

$$\begin{aligned} \$S & \mathfrak{S} & \%S & \mathfrak{S} & & \&S & \mathfrak{S} & & ' & S & \mathfrak{S} \end{aligned}$$

% | 1 * È 3 È 1 ± 7 + \$ 0 . + | 2

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î ì		ï ñ
î í		ï ò
î î		ï ó
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î ð		ð õ
î ñ		ñ ì

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