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1 P KÑF
Thời gian làm bài: 90 phút

0 m ý Å WKL

(Thí sinh không được sử dụng tài liệu)

+Ñ WrQ WKt VLQK /ßS

&kX 7URQJ P»WkyS WÖQSKíF ýmçF ELÇX GMÉQyEVAÑDýLýQPOj
\$ % &
&kX &KR Kjp VÖ Fy ý× WKİ QKm VDX

6Ö QJKLĚP FëD \$KmkQJOWUuQK
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&kX 7URQJ NKQz JKDQMLÇP Yj ýmáQJdWk·QJ 0»W SPK·QJ
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&kX *ÑLZ Oj KDL QJKLĚP FëD \$KmikQJ WUKLQKxyzz z EμQJ
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&kX +Ñ QJXlrQ Kjp FëD KjpV VÖjQ
\$ FRVx C % FRVC & FRVx C ' FRVx C

&kX &Ka al 7tAKORaJa
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&kX 7KÇ WtFK FëD NKÖL O QJ WYUáEQ WtBAQyFDRμEμQJ
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&kX 0ÝW KuQK WUé Fy FyLFAxx FDLRFEpQy máQ\$ WUKQ WitF EμQJD NK
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&kX &KR VÖZ SakbF WkÍÓDi z i z 7tQKa b
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&kX &KR Kjp VÖ OLRQ WéFawUrQÖyBýQ uQK SK·QJ JLßL K¥Q EäL
VÖ fx WUéF KRjQK Yj KDa xy máQJb WKLĚQ WDFx mFëFDWtQK WKHR
WKÍF

&kX 7URQJ NKQZ JKLQKDL ŷLÇPYß 0»W SK·QJ WUXQJ WU
 WKABJFy SKmkQJ WUuQK
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 &kX 7URQJ NKQZ JKLQKDLÇP +uQK FKLÃX YAX WUuQK Fy FyLÇP
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 &kX 0ÝW OBS Fy KÑF VLQK &y EDR QJCLPXÝWiF E KJiQ WDS E DV
 E¥Q OjP OBS SKy Yj PÝW E¥Q OjP Et WKm"
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 &kX &KR KuQKABCDyFy ŷi\ Oj KuQK aY SAQYXFQ KJyF YßL P»W SK
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x y

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&kX 7URQJ NKQqz JLFKQ KDL ŷLÇP máQJ WKŷQJTxD WkP ŷma
WUzQ QJR¥L OABãSj Wx{QJLiYF YßOAB»WŷSK·QJQJ WUuQK Oj

\$ $\frac{-x}{\textcircled{R}} \frac{t}{z}$ % $\frac{-x}{\textcircled{R}} \frac{t}{z}$ & $\frac{-x}{\textcircled{R}} \frac{t}{z}$ ' $\frac{-x}{\textcircled{R}} \frac{t}{z}$

&kX &KR VŌZ SŷKKŌz PmŦ|z |√ *ñLM O«Q OmçW Oj JLi WU
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\$ P %P & P ' P

&kX 0ÝW WÙ Fy KñF VLQK Qó Yj KñF ñFQKQKQWU&KñQWQJ-
WURQJ KñF VLQK ŷmçF FKñQ Fy NK{QJ TXi KñF VLQK Qó Oj

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&kX &y EDR QKLrX JLi WUİ WKŏF FëD WKKŲPyVŌ $\frac{x}{x}$ P ŷWUŷLQ WUİ O
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SK·QJ Sŷ\ *ñML Oj WUXQJ ŷLŲPHFŲJŲEÇŲKŷŌCŲIXŲ &RLVLQ FëD J
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&kX &K R ABCD GñMÈNQ O«Q OmçW Oj WUXQJB&LÇŲD FëD ãFWF
AB CD aMN a√ *yF JLóD KDL ABmãQJ EWkQJQJ

\$ % & '

&kX &KR KuQK KÝASCDKŲQŲ±Wŷ ŷil Oj KuQKaYXŲQLŲŷŲQKŲ
*ñM Oj WUXQJÇŲLÇŲPKŲÇŲWtFK FëDANKŲEµQWí GLĚQ

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&kX 7URQJ NK{Qŷyz JLFKQ P»W PSK·Qŷ z Yj ŷmáQJ WK·Q
d $\frac{x}{}$ $\frac{y}{}$ $\frac{z}{}$ máQJ WK·QJ QµP WPU RQŷŲŲ»WŷSKŲŲŲW Yj YX{QJ J

WKdQJFy SKmkQJ WUuQK Oj

\$ $\frac{x}{}$ $\frac{y}{}$ $\frac{z}{}$ % $\frac{x}{}$ $\frac{y}{}$ $\frac{z}{}$

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&kX 7ÙQJ FiF KĖ VÕ WUR $\overset{\text{S}^n}{\underset{\text{X}}{\text{Q}}}$ J $\underset{\text{C}}{\text{N}}$ KDL'W $\underset{\text{,1}}{\text{U}}$ EL $\underset{\text{,1}}{\text{Z}}$ Q $\underset{\text{,1}}{\text{C}}$ FjKİD

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&kX &KR Kjp f VÕ OLRQ WéF Fy ÿ¥R Kjp KW $\underset{\text{DQ}}{\text{U}}$! x Rm Q
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QJKLĖP WKōF SKkQ ELĖW
\$ m• e %m• e & m• e ' m•

&kX 7URQJ NKQ $\underset{\text{Q}}{\text{Z}}$ J $\underset{\text{C}}{\text{L}}$ Q $\underset{\text{C}}{\text{Y}}$ LÇP Yj ÿmáQJd W $\underset{\text{K}}{\text{Q}}$ $\frac{y}{z}$ 3KmkQJ
WUuQK P»W F $\underset{\text{W}}{\text{W}}$ W $\underset{\text{K}}{\text{P}}$ B y $\underset{\text{D}}{\text{C}}$ PABKR Fy SKmkQJ WUuQK Oj

\$ (x 2)² (y 3)² (z 1)² $\frac{725}{9}$ % (x 2)² (y 3)² (z 1)² $\frac{725}{9}$

& (x 2)² (y 3)² (z 1)² $\frac{1301}{9}$ ' (x 2)² (y 3)² (z 1)² $\frac{1301}{9}$

&kX &y EDR QKLrX JLimW $\underset{\text{U}}{\text{C}}$ SK $\underset{\text{K}}{\text{K}}$ QJ $\underset{\text{U}}{\text{F}}$ Du QKx Fy ÿ~QJ KDL QJK
SKkQ ELĖW"

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&kX 'LĖQ WtFK FèD KuQK SK·QJyJ $\sqrt{\text{B}}$ K $\underset{\text{K}}{\text{K}}$ Q $\text{E} \tilde{\text{a}} \text{Y jFWU} \text{ÿ} \text{m} \tilde{\text{a}} \text{QJj QK E} \mu$
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