6ã *' 7 +j 1ÝL Ä .,Æ0 75$ +Ð& .ã
7UmáQJ 7+37 .LP /LrQ 0{Q 7RiQ ± /ßS
0m ÿÅ 1 P KÑF
7KáL JLDQ OjS KE-jW

, 3+ª1 75²& 1*+,Ê0 ÿLÇP

&kX 0ÝW QJmáL YjR FëD KjQJ Q QJmáL ÿ WÑQ WÕ QFJ QR
OR¥L TX§ WUiQJ PLËQJ WURQJ OR ÝLWT WUÿ JXÑ QJ WUR
ÿ× XÕQJ NKiF QKDX &y EDR QKLrX FiFK FKÑQ WKõF ÿkQ"
$ % & '

&kX &y EDR QKLrXmVÕÇ QSJKXmrkQ JVWQ uQ RmVFy QJKLËP
A. B. 9{ VÕ C. D. 1

&kX &KR KuQ KAB CDy SE LÃ WF BD WM¥ LAB F CD WC¥L 7uP JLDR WX\ÃQ Fë
P»W SKSAQ JYjSCD
$ SO %SM & SA ' SC

&kX *ÑM m O«Q OmçW Oj JLi WUÏ OßQ QÿKÊ WÿjUrJQL ÿ WÿQÏ
— — 7tQK JLi WÏ ÑLÇmX WKíF
$ T %T √ & T — ' T —

&kX 7uP W±S [iF ÿÏQ FëD QKjP VÕ
$ \ — kS?k '® • _ ½ ¼ ¿ 'kS?k • ' _
& \ — k?Sk '® • _ ' \ ½ ¾ ¿ k?Sk • ' _

&kX &KR EDAÿLÇPB C *L§ Vñ TXD SKpS WÏ JG QK WÿÃQ PWKHR
B C O«Q OmçW ELÃQ WKjQ KCF iF KÿLQÇ PÿÏQK QjR VDX ÿk\ Oj ÿ~
$ Bc %Cc & u JG ' u JG

&kX *LHR FRQ V~F V³F FkQ ÿÕL 7tQQKJ [FK WÿW© W ÿÇ WtFK VÕ FK©P
PÝW VÕ Wõ QKLrQ O¿
$ — %— & — ' —

&kX 7±S QJKLËP FëD SKÿ √ QJjWUuQK
$ — S k Sk •]® ½ % ® ¾ k — S k S k •] ½ ¾ S S ¿
& — S k Sk •]® ' ® — S k ½ ¾ Sk •] ½ ¾ ¿ ¿

&kX 7uP W±S [iF ÿÏQ FëD KjP VÕ
xF R V
xV L Q
$?kSk] % \ ® — S k?Sk •] ½ ¾ ¿

Tuyensinh247.com

& \ ' 'k? Sk]

&kX &KR KuQK KDL Fy ÿÅ BCD Oj KuQK EuQK KIKJQ KWWKRQJ ÿÅ ÇP F¥QK
;pW FiF PËQK ÿÅ

, máQJIOWK RQJ SARQJ

,, 0»W SBK·QJ W KuQK KBCDK WSKHR WKLÃW GLËQ Oj PÝW Wí JL

,,, *LDR ÿLÇP FëD ÿmáQJ WWSBK·QJ WUÑQJ WSBP WDP JLiF

,9 *LDR WX\ÃQ KBDL PjSAC SOKQJ

6Õ PËQK ÿÅ ÿ~QJ WURQJ FiF PËQK ÿÅ WUrQ Oj
$ % & '

&kX 7uP VÕ K¥QJ NKWQJ RQKíDK D§L WULÇQ
x© ›1

$ % & '

&kX 7URQJ FiF KjP VÕ VDX KjP VÕ QjR Oj KjP VÕ FK¹Q WUrQ

$ y VL-Q x§ %y WDQ & y VLxQ ' y VLxQ —§
© ›1 ©

&kX 7URQJ P»W SKxQ FKWÑ ymÝQJ WU²zQy 2² 4 3KpS ÿÕL [íQJ WU
2[ELÃQ ymáQJWWKUQ ymáQJFWSKmkQJ WUuQK Oj

$ x y % x y

& x y ' x y

&kX &KR WíABCDËQ ÑLJ O«Q OmçW Oj WCUXBCJ ÿ7LÇrP BEYDQK© \ ÿLÇP
K VDRBKKRKD *ÑFL Oj JLDR ÿADÇYPßFëD»WIJSK·QJ 7UQK FA/FD Wí VÕ

$ — % & — ' —

&kX +uQK QjR VDX ÿk\ Fy Y{ VÕ WkP ÿÕL [íQJ"
$ +uQK YX{QJ% +uQK WUzQ& máQJ WK·QJ R¥Q WK·QJ

&kX +jP VÕ QjR VDX ÿk\ ÿ×QJ—ESÃQ WUrQ NKR§QJ
2 © ›1

$ y FRxV %y WDQ & y FRxW ' y VLxQ

&kX &KR KDL ÿmáQJ WK·QJ VRQJ VRQJ 7U20QLÇrPáQJ kWQKEQËWWK7
ÿmáQJ WK·QJ WKíÿKDÇLPWSDKQ\ ELËW +ÓL Fy EDR QKLrX
3ÿLÇP WURQJ FiF ÿLÇP QyL WUrQ "

A. C C B. 1 C C C. & D. 1 & &

&kX ;pW SKpS YÏYWõ WÍKPÕ L'ÃQ WKjQK B'C' +ÓL GLËQ B'C WtFK S
P©\ O«Q G'LËQ' WtFK

$ % & '

&kX 6Õ QJKLËP FëD WKmQ—§ WUuQK WUrQ NKR§QJ
© ›1

$ % & '

1KyP ZRUG KyD WjL OLËX ÿÅ WKL WRiQ

Tuyensinh247.com

&kX 7tQK WÙFQJF QJKLËP FëD SKmkQJ WUuQK xVLQ WUFQ VNKR§QJ

$T —— %T —— &T —— 'T ——

&kX &KR SKmkQJ WUuQK FRV KLtÿ»FVR V SKmkQJ WUuQ

ÿm FKR WUã WKjQK SKmkQJ WUuQK QjR GmßL ÿk\"

$t t %t t &t t 't t

&kX 7tQK VÕ FiF FKÍQ FKÊD KÇS «FQK VÑ

$ % & '

&kX ;pW ÿmáQJ WUzQ OmçQJ JLiF Oj FiF ÿL

[íQJ YCFL TXDOJÕFJKLËP FëD SKmkQJ WUuQK ELÇX GLÉQ WUr

WUzQ OmçQJ JLiF Oj QKóQJ ÿLÇP QjR"

$ LÇCP ÿLDÇP % LÇEP ÿLFÇP

& LÇCP ÿLFÇP ' LÇEP ÿLDÇP

&kX %LÃW KË VÕ FëD WÕUR QJNFKÓD WOjLÇQ 6Õ Wñ QEKQJQEDR

QKLrX"

$ % & '

&kX 0ÝW EÝ ÿÅ WKL 2OLPSLëD 7RQáQJ 7+37 .LP /LrQkRjÿPÛÇF ÿÅ

FKÑQ WFkX PíF FQKÉ PíF WUXQJ FHXQPKFYNKy 0ÝW ÿÅ WKL ÿ

³7Õ W´ QÃX WURQJ ÿÅ WKL SK§L FyQFJ§WPKÉLGVÉÕ WKXQJFENQK

KkQ /©\ QJ¯X QKLrQ PÝW ÿÅ WKL WURÅQJWEKÝ ÿÅ©WUDQOj7EÉV

³7Õ W´

$ —— %—— & —— ' ——

,, 3+ª1 7ô /8°1 ÿLÇP

&kX D *L§L SKmkRJ WUuQK x VLQ

E 0ÝW KÝS ÿõQJ WiP WÃQ ÿ©\ÇQJ¯XL QWiLrQ Wï KÝS ÿy ED WK

ÿÇ WÙQJ FiF VÕ JKL WUrQ ED WK¿ ÿy EµQJ

Tuyensinh247.com

&kX 7URQJ P»W SKOxQJ FWKÑRDÿ ÿmáQJ FWUSKQmkQxJ ÿWUuQK ÿ

Yj ÿLÇP 3KpS YÏIWWÍWkWÕP ELÃQ ÿmáCQJ WWKUJ2QK ÿmáCQJ WUzQ

9LÃW SKmkQJ WUCuQK ÿmáQJ WUzQ

&kX &KRR Oj VÕ QJX\rQ GmkQJ FK¹Q E©W Nu FKíQJ PLQK

n n n n n

&kX &KR KuQK SABCKyS Fy ÿi\ Oj KuQK EWQNKI KJQ«KQ *ÕNnç W Oj WUXC

SA SB BC ÿLÇ PQµP J6LÝD , VD SG R Sl F KR

D 7uP JLDR ÿLÇP FëDGÿmáQJ WWABCQ'QJ

E ;iF ÿÏQK WKLÃW GLSËABCFëD³ WuÊãL FKWWG SK·QJ

+Â7

Tuyensinh247.com

1KyP ZRUG KyD WjL OLËX ÿÅ WKL WRiQ

[redacted]

m SKmkQWQ VLQ xFRV x m FyQKLË

A. B. C. D.1

[redacted]

Q V Q F x x m FyQKLË œ m t m œ d m d d

0 m Z m Ÿ ^ •

m KÓPmQ

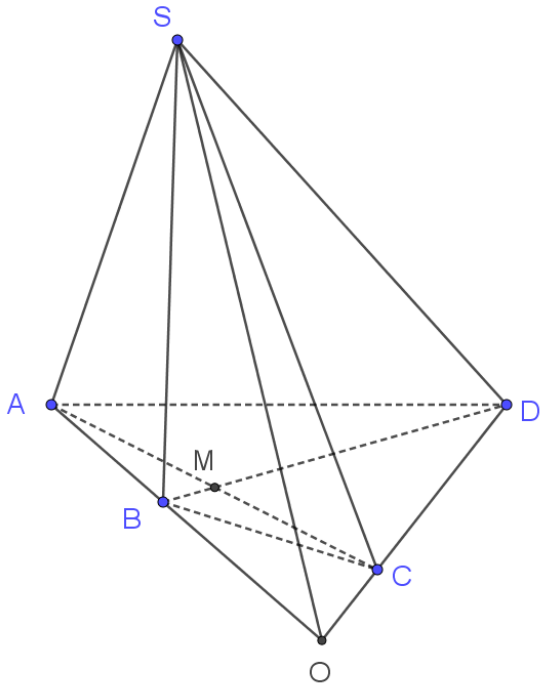
& X & RKuQFKyS S ABCD ELÃW AC FÌW BD ÌW M AB FÌW CD ÌW O ÌPJLDRÃWDKDL

PÌWKQ SAB ÌY SCD

$ SO % SM & SA ' SC

LJLÌ

[redacted]



Tuyensinh247.com

$O \bullet AB$ ½ ¾ ¿ $\ddot{Y}D$ $\bullet SAB$ ½ ° ° ¾ ° ¿ $\ddot{Y}D$ $\bullet SAB$ SCD

$O \bullet CD$ ½ ¾ ¿ $\ddot{Y}D$ $\bullet SCD$ ° ° ¿

S $SAB \bullet$ / SCD ¥S ˆ O $KLÿ$ SAB SCD F SO y

[redacted] M m O «Q m çVO jJL iW O KQ Q $\ddot{Y}JL$ iW Q Q Q F d KjP VÕ y FRV x $\ddot{Y}Q$

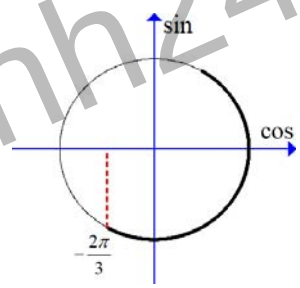
$\frac{S}{}$ $\frac{S}{}$ $\frac{o}{}$ ¬ « ¼ » TQ JL $\ddot{Y}L$ $\ddot{Y}$ F T M m

$ T % T $\sqrt{}$ & T – ' T –

L JL S

[redacted]

DFy $\frac{S}{}$ x d $\frac{S}{}$ d $\frac{S}{}$ d dx $\frac{S}{}$ $\ddot{Y}$ d FRV dx M m – $\ddot{Y}$



[redacted] uPS F Q F $DKjPVÕ$ y $DVQx$

$ \ $\frac{S}{}$ $kS?k$ '® • _ ½ ¾ ¿ ° \ ^$kS?k$ • ' ` _

& \ $\frac{S}{}$ $k?S$ k '® • _ ' ½ ¾ ¿ ^$k?S$ k • ' ` _

L JL S

[redacted]

$jPVÕ$ Q $NKLjFKÍNKL$ FRV x z x $\frac{S}{}$ z kS k • '

[redacted] $KREDLÇ$ A B C $ESTDSKSÖWÕRFW$ $\vec{u}$ $FFLÇ$ A

B C $OQmçELÕKQFFLÇ$ Ac Bc Cc $KÜQRVDjKOjQ$

$ Bc % Cc & $\vec{u}$ ' $\vec{u}$

L JL S

[redacted]

DFy $\overrightarrow{AAc}$ Pj $\overrightarrow{AA}$ $\overrightarrow{BB}$ $\overrightarrow{CC}$ $\vec{u}$ $\vec{u}$ $\ddot{Y}$ c

θ $\overrightarrow{BBc}$ $\vec{u}$ $\ddot{Y}$ ® x_{Bc} y_{Bc} $\ddot{Y}$ Bc

Tuyensinh247.com

Tuyensinh247.com

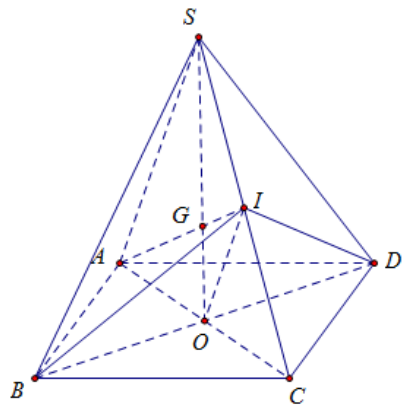
$ — % — & — ' —

[redacted]

[redacted]

$ % & '

[redacted]



IO Oj ïnQ EuQ RQ DPJLF SAC Q IO SA GRÿPÖQ
NKQ IBD FKuQ FKySKWLÃLÒDPJLF IBD GRÿPÖQDL

AI SO G Y G OjÃPDPJLF SAC Q SG — SO

DKW© SO • SBD Q IA SBD G SO OjnQ △SBD G OjÃ
PDPJLF SBD PÖQ
I OjÇFKQ FDKDLPSKQ SAC Y IBD
AC BD O Q O OjÇFKQ FDKDLPSKQ SAC Y IBD
IBD SAC OI PÖQ
Ey PÖQ

RX ïPVÕQNKQFKD x RQNKDLWQ x §¨ ·
x© ¹

$ % & '
LJLÊ

[redacted]

DFy x §¨ ¦ C^k ·x ¹ ^k x ^k ¦ C^k ^k x ^k
k k

ÕQNW T_k C^k ^k x ^k
ÕQNKQFKD x VÕ k œ k
VÕQNKQFKD x Oj T C

RX RQFFKPVÕDKPVÕQOKPVÕKQ \ "

$ y VLQ§¨ x© ·¹ % y ¹ DQx & y VLQ ' y VLQx §¨ x© ·¹
LJLÊ

[redacted]

DFy y VLQ§¨ x© ·¹ FRVx OKPVÕKQ \ KRÏQKD

RX RQPSKQÃÝ Oxy FKRnQ C x 1 ² y 2 ² 4

2 C RQnQ C FySKmkQWQOj

$ x y % x y

Tuyensinh247.com

x *y* ' *x* *y*

LJLÊ

[redacted]

mQW *C FyÕÝP* *I* 1 2 *R* 2

Ox *I* *I* 1 2

Ox *C* *C* *FyÝP* *I* 1 2 *R* *R* 2

C FySKmkQWQOj *x* *y*

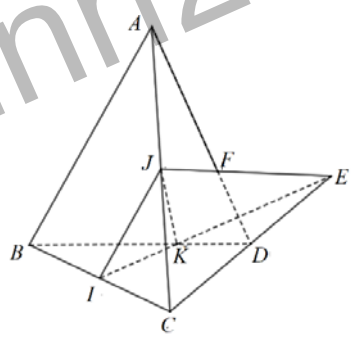
RX *KRWLÊ* *ABCD Ñ* *I J OQmÝQWÝLÇFÊ* *AC Y* *BC ÊQ* *BD OÝQÇ*

K VDRFKRBK *KD Ñ* *F OjLDRÝLÇFÊ* *AD KPSKQ* *IJK ÊQÍÕ* $\frac{FA}{FD}$

$ — % & — ' —

LJLÊ

[redacted]



KR *AD • ACD*

KQPSKQ *BCD KDLÝmQWQ* *IK CD NKQVRQVRQÑ* *E OjLDRÝLÇ*

FÊKDLÝmQWQ *IK Y CD KLÝ* *E • ACD*

DKW© *ACD IJK^ EJ*

KQ *ACD EJ AD F KLÝ* *IJK ^ AD F*

PPJLF *BCD SGÊQOtÊQDXFy* $\frac{IB}{IC}\ \frac{EC}{ED}\ \frac{KD}{KB}$ $\frac{EC}{ED}$ Ý $\frac{EC}{ED}$ Ý

PPJLF *ACD SGÊQOtÊQDXFy* $\frac{EC}{ED}\ \frac{FD}{FA}\ \frac{JA}{JC}$ $\frac{FD}{FA}$ Ý $\frac{FD}{FA}$ — Ý

$ $\frac{FA}{FD}$

RX *uHQPVDÝXFyÝWÕPÝÕQ'*

$ *uHQW* % *uHQW* & *mQWQ* ' *RÊQ*

LJLÊ

[redacted]

uHQFyÝWÕPÝÕQOjmQWQ

Tuyensinh247.com

[redacted]

[redacted] y [redacted] x % y [redacted] x & y [redacted] ' y [redacted]

[redacted]

[redacted]

[redacted] 20 [redacted]

[redacted] 18 [redacted]

3 [redacted]

A. C C B.1 C C C. & D.1 & &

[redacted]

[redacted]

[redacted]

[redacted]

[redacted] [redacted] k [redacted] 3 [redacted] [redacted]ABC [redacted] [redacted]A'B'C' [redacted] [redacted]A'B'C' [redacted]

[redacted] [redacted]ABC [redacted]

[redacted] [redacted] [redacted] [redacted] [redacted]

[redacted]

[redacted]

[redacted]A'B'C' [redacted] [redacted]ABC [redacted] 3 [redacted]

[redacted] $\frac{S_{\square A'B'C'}}{S_{\square ABC}}$ 3^2 [redacted] 9 [redacted] [redacted] [redacted]

[redacted] [redacted] [redacted] x [redacted] [redacted] [redacted]

Tuyensinh247.com

$$x \cdot \frac{S}{\ } \quad S^{\S} \quad Q \quad \begin{cases} x \frac{S}{\ } \\ \\ x \frac{S}{\ } \end{cases} \quad Ÿ \quad S$$

RX KRSKmkQWQ FRV x —§ FRV S· — x KLyW S t · FRV S — x § SKmkQWQ ·
ÿnFKRWQSKmkQWQRGmkÿ\"

$ t t % t t & t t ' t t
LJLÊ

DFy FRV x —§ FRV S· — x § ÿe VLQ S x —§ FRV S· — x § S ·

VLQ œx —§ FRV S· — x § S ·

θ S — xÿ x S — OÿKDLJyFSKQDQ VLQx —§ FRV S · x § S ·

W t FRV S — x § SKmkQWQ ·

t t œ t t

RX TQVÊFFKÓQÇFKS FÊ SKQ
$ % '
LJLÊ

RX ÿwQWmQ QLFQmKuQÓLÃ AOC AOF D E OQmQOFFJLÇÊ
QK C F TQJÊ O JKLÊFÊSKmkQWQ VLQ ÿnFELÇLÓQ
QmQ QLFOQQLÇÊ"

$ LÇ CÿLÇ D %LÇ EÿLÇ F
& LÇ CÿLÇ F ' LÇ EÿLÇ D
LJLÊ

VLQ VLQ — « x S — k S œ k] •
« x S — k S

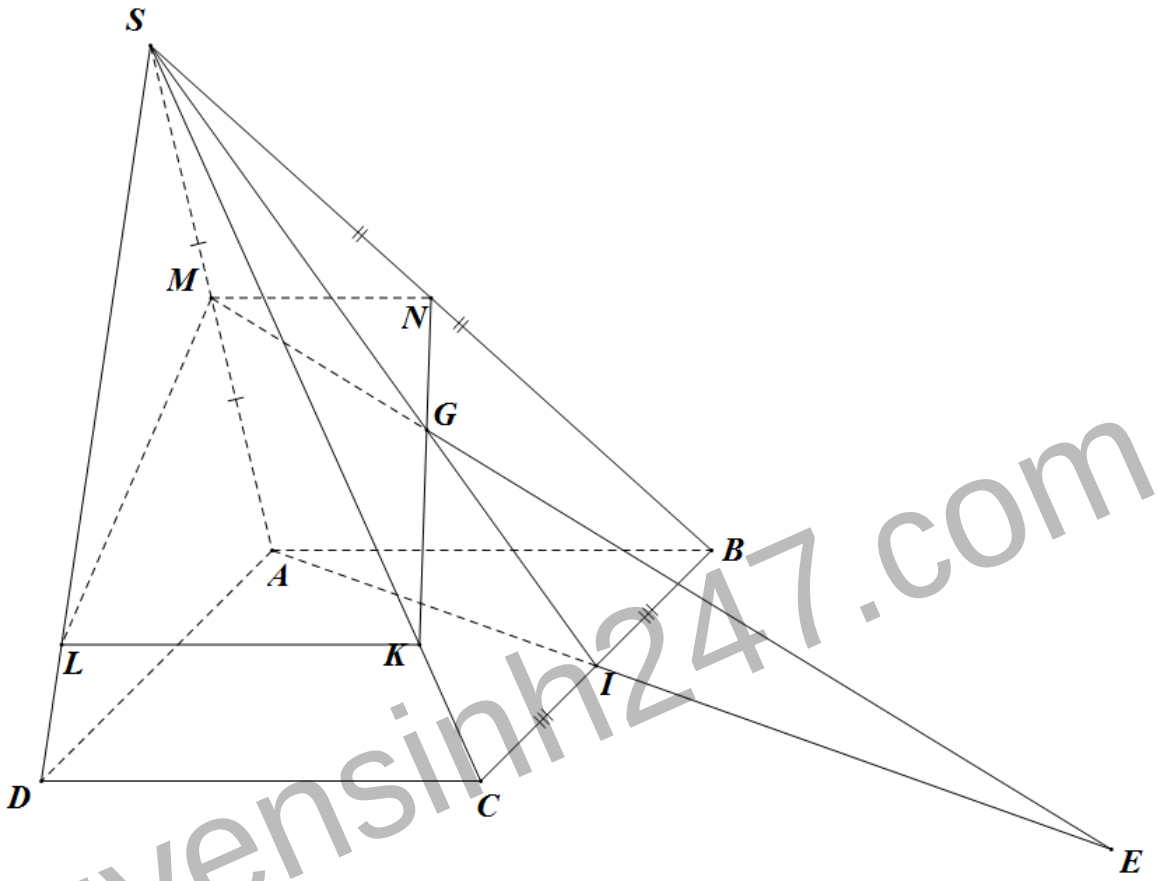
Tuyensinh247.com

$P \quad A \quad \frac{n \quad A}{n \quad :} \quad —$

[illegible]

[illegible]

[illegible]



Tuyensinh247.com

SAI Fy

DDFy

$\frac{SM}{SA}$ ½ ¾ $\frac{SM}{SA}$ z $\frac{SG}{SI}$ Ÿ MG NKQVRQVRQK AI

$\frac{SG}{SI}$

ÑÑ AI MG ^E`

Ÿ E • MG ® E AI ABC' MŸG ABC' ^E`

EBSKQ SBC Fy

$\frac{SN}{SB}$ ½ ¾ $\frac{SN}{SB}$ $\frac{SG}{SI}$ z NG NKŸQVRQVRQK BC

$\frac{SG}{SI}$

JÑ NG SC ^K` Ÿ K NG MNG ® K SC SBC

DFy MNG SAB MN

MNG SBC NK

W SAB Fy MN &AB Ÿ MN &C'

MN &C MN MNG C • SC JY K SC' • MNG QW K NjnQ

KQ Kx &C' JÑ Kx SD L

KŸL SC' MNG ˆ

MNG SA' ˆ ML

9KLÃGLËFD KuQ FKyS S ABC F ³W E ãL P »WMSNK OQKuQ KDQ

MNKL MN &KL

ÂÃ

Tuyensinh247.com