

Ä & + Ë7+i&

Thời gian làm bài: 120 phút (không kể thời gian giao ý)

, 3 + a1 75² & 1*+, Ê ö y L Ç P

+ m \ FK Ñ Q SKmkQJ i Qj W U Ñ W O Æ K ö y - F Q U ý í Q U W O U ñ ß F y j SK E n j L O j P

& k X L Ä X N L Ë Q ý Ç E L Ç X F y W Q U R K - D O j

\$ x z x % x x d '

& k X 1 Ä X D Y j $\sqrt{\frac{a}{b}}$ E E u Q K $\sqrt{\frac{a}{b}}$ \$ $\frac{\sqrt{a}}{\sqrt{b}}$ % $\frac{1}{b} \sqrt{ab}$ & $\frac{\sqrt{a}}{\sqrt{b}}$

& k X x W K i F e D K j P V Ö \ P ± [P R Y ß L W U ñ F W Z [D P Y W
N K L Y j F K í N K L \$ P % P ! & P !

& k X 3 K m k Q J W U u Q K Q j R V D X ý k \ F y Q J K L Ë P G m k Q J "

\$ [[[% [& [' []
C O u 5 . + j P V Ö \ P [P O j W K D P V Ö ý x Q J E L Ä Q N K L
\$ % &

& k X & K R K D L ý m á Q J W U z Q 2 Y j 2 ¶ W L Ä S J [F E D Q K B] L ý ñ Æ Q V
\$ % &

& k X & K R J y F Ç Q K Ñ Ö W - V L Ç L ý y E R O J

\$ - % - & -

C O u 8 . & K R K u Q K Q y Q F y E i Q N t Q K ý i \ O j F K P [X F K J L Ä X D F O K R F O j D K i
\$ s F P s F P % s & P ' s F P

,, 3 + a1 7 ö / 8 ° 1 ý L Ç P

& k X (1,5 ý k m) & K R E L Ç X $\frac{W K i F}{\sqrt{x}}$ 3 $\frac{1}{\sqrt{x}}$ $\frac{\sqrt{x}}{\sqrt{x}}$; $\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{x}{\sqrt{x}}$; Y ß L [! z []

D 5 ~ W J Ñ Q E L Ç X W K í F 3

E 7 u P F i F J L i W U ý Q J K i r Q U ñ E Æ D P E L Ç X 3 W y W 4 L i W U i Q J X

& k X (1,5 ý k m) & K R S K m k Q J W U u Q K [P P O j W K D P V Ö

D * L ß L S K m k Q J W U u Q K Y ß L P

E 7 u P F i F J L i W U i Q Æ W U R U Q Ç S K m F K R K F Q E D Ë W O j O D Ë P m S
x m x m a x m x m m m ¼ a

& k X (1,0 ý k m) * L ß L K Ë S K m $\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{\sqrt{y}}{\sqrt{xy}}$,
- x \sqrt{xy}

& k X (3,0 ý k m) & K R ý m á Q J W U z Q 2 Y j ý L Ç P \$ Q u P Q J K D j L W r h Ä Q J W X U Ä
Y ß L ý m á Q J W U z Q 2 W L Ä S Y ý L Ç O j F i r á Q J ý m á Q J W U z Q 2 W ß L ý L Ç P
W K · Q J \$ ' F ³ W ý m á Q J W U z Q 2 W ß L ý L Ç F ³ W K \$ 2 K V ß L O) (+ ý O j á Q L D R V
% &

D & K í Q J P L Q K \$ (\$ ' \$ Y j \$ K í Q \$) P L Q K + W Q ý L i W L Ä S ý m á Q J W U z

E & K í Q J P L Q K + (Y X { Q J J y F Y ß L %)

F & K í Q J $\frac{H C}{P L Q K}$ $\frac{D E}{A E}$
\$) ()

& k X (1,0 ý k m) * L ß L S K m k Q J W U u $\sqrt{\frac{x}{x}}$ K - x - x

3+Ñ1* *, È2 'è& 9- -2 7¤2 È3 È1 Ä 7+, 7+ð /ª1 78<Æ1 6,1+ 9-2
 +8<È1 +!, +°8 1 0 +Ð&
 BBBBBBBBBBBBBBBBBBBBBBBBBBBBBB

, 3+ª1 75²& 1*+, ÈPÛL FkX FKR ÿLÇP

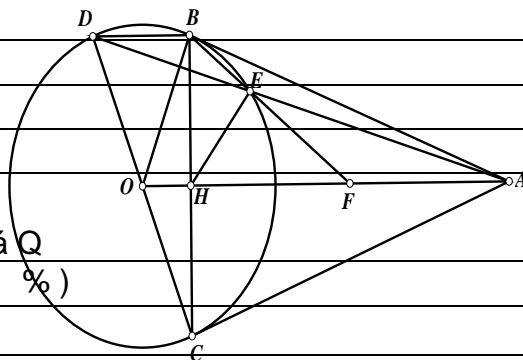
&kX	&kX	&kX	&kX	&kX	&kX	&kX
&	%	%	&	'	&	'

,, 3+ª1 7ô /8°1 ÿLÇP
 &kX(1,5 ÿ kn)

5~W JÑQ ELÇX WKÍF 3 $\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{\sqrt{x}}{\sqrt{x}}$; $\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{x}{\sqrt{x}}$; YBL [!z [

9BL [!z [WD Fy $3 \frac{\sqrt{x}}{\sqrt{x}} \frac{\sqrt{x}}{\sqrt{x}} \frac{\sqrt{x}}{\sqrt{x}}$; $\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{x}{\sqrt{x}}$;	
$\frac{x}{\sqrt{x}}$ $\frac{x}{\sqrt{x}}$ $\frac{x}{\sqrt{x}}$ « $\frac{x}{\sqrt{x}}$ » $\frac{x}{\sqrt{x}}$ « $\frac{x}{\sqrt{x}}$ » $\frac{1}{4}$	ÿ
$\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{\sqrt{x}}{\sqrt{x}}$ « $\frac{\sqrt{x}}{\sqrt{x}}$ » $\frac{1}{4}$	ÿ
$\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{\sqrt{x}}{\sqrt{x}}$	ÿ
$\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{\sqrt{x}}{\sqrt{x}}$ Yj NÄW OX±Q	ÿ
E 7uP FiF JLi WUÿ QJ Klr Q Uÿ èÐè Ð E kÇX 3WjK W 4Li WUÿ QJX \rQ	
9BL [!z [7D Fy $4 \sqrt{x}$ $3 \sqrt{x}$ $\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{\sqrt{x}}{\sqrt{x}}$ $\frac{\sqrt{x}}{\sqrt{x}}$	ÿ
1ÄX [NK{QJ Oj VÖYFKt QK SÖKmk QV{QJ QJX\rQ	
1ÄX [Oj VÖ FKÿQK SÖKmk QJ QJX Q QX ve Q — QJX \rQ • I	ÿ
*LŞL UD WuP ÿmçF FiF JLi WUÿ [[[[ÖL FKLÄX ÿLÄX NLËQ Yj NÄW OX±Q	
&kX(1,5 ÿ kn) &KR SKmkQ ± W U Q K [P P Oj WKDP VÖ	
D *LŞL SKmkQJ WUuQK YBL P	
7KD\ P YjR SKmkQJ WUuQK WD Fy	
x x x x œ	ÿ
7uP ÿmçF	ÿ
7uP ÿmçF x Yj NÄW OX±Q	ÿ
E 7uP FiF JLi WUÿ È Ð W Uÿ QJ Klr Q Uÿ è Ð è Ð Pm S K	

$x \quad m \quad x \quad m \quad a \quad x \quad m \quad x \quad m \quad m \quad m$	$0 \frac{1}{4}$
.K·QJ ÿİQK SKmkQJ WUuQK Fy[KEDPzQJKLEP SKkQ ELËW [ÿ	
3KmkQJ WUuQK ðēyx QJrKLËXP Onj [
3KmkQJ WUuQK ðēyx QJrKLËXP Onj [
$x \quad m \quad x \quad m \quad a \quad x \quad m \quad x \quad m \quad m \quad m \quad 0 \frac{1}{4}$	$a \quad \neg \quad \ddot{y}$
œ m m œP ± P	
*LŞL SKmkQJ WUuQK WuP ÿmçF P KR»F P	\ddot{y}
ÖL FKLÄX ÿLÄX NLËQ ðēyx ±P Yj	
&kX(1,0 ÿ kn) *LŞL KË SKmkQJ WUuQK Y ,	
$\begin{matrix} -\sqrt{x} & \sqrt{y} & \sqrt{xy} \\ \circ & \circ & \circ \\ -x & \sqrt{xy} & \end{matrix}$	
LÄX NLËQ [! Yj \ !	
&y $\begin{matrix} -\sqrt{x} & \sqrt{y} & \sqrt{xy} \\ \circ & \circ & \circ \\ -x & \sqrt{xy} & \end{matrix}$ œ $\begin{matrix} \sqrt{x} & \sqrt{y} & \sqrt{xy} \\ \circ & \circ & \circ \\ x & \sqrt{xy} & \end{matrix}$	\ddot{y}
œ $\begin{matrix} \sqrt{xy} & \sqrt{x} & \sqrt{y} \\ \circ & \circ & \circ \\ x & \sqrt{xy} & \end{matrix}$ $\begin{matrix} \sqrt{x} & \sqrt{y} & \sqrt{xy} \\ \circ & \circ & \circ \\ x & \sqrt{xy} & \end{matrix}$ œ $\begin{matrix} -\sqrt{x} & \sqrt{y} \\ \circ & \circ \\ -x & \sqrt{xy} \end{matrix}$	\ddot{y}
œ $\begin{matrix} \sqrt{x} & \sqrt{y} \\ \circ & \circ \\ x & \sqrt{xy} \end{matrix}$ œ $\begin{matrix} \sqrt{x} & \sqrt{y} \\ \circ & \circ \\ x & \sqrt{xy} \end{matrix}$ œ $\begin{matrix} -\sqrt{x} & \sqrt{y} \\ \circ & \circ \\ -x & \sqrt{xy} \end{matrix}$	\ddot{y}
œ $\begin{matrix} \sqrt{x} & \sqrt{y} \\ \circ & \circ \\ x & \sqrt{xy} \end{matrix}$ œ $\begin{matrix} \sqrt{x} & \sqrt{y} \\ \circ & \circ \\ x & \sqrt{xy} \end{matrix}$ œ $\begin{matrix} \sqrt{xy} \\ \circ \\ x & \sqrt{xy} \end{matrix}$	\ddot{y}
*LŞL KË SKmkQJ WUuQK WuP ÿmçF WKÓD PmQ ÿLÄX NLËQ	
*LŞL KË SKmkQJ WUuQK WuP ÿmçF WKÓD PmQ ÿLÄX NLËQ	
.ÄW OX±Q	
&kX(3,0 ÿ kn)	
D &KÍQJ PLQK \$(\$' \$+ \$2 Yj FKÍQJ PÄS QYm WQJWËZQ(+ QÝL WL	
&KÍ UD ÿmçF \$(\$' \$%	
&KÍ UD ÿmçF \$+ \$2 \$%	
ÿ\$(\$' \$+ \$2 \$%	
&KÍQJ PLQK AHEñyçFQJ GADDOJ	
ÿ EHA ADO	
.ÄW OX±QLÿmçF(WÍQÝL W WÄCS ÿmáQ	
E &KÍQJ PLQK +(YX{QJ JyF YBL %)	
7í JLiF 2'(+ QÝLHEW LÄCS	
&KÍQJ PLQK %' BDO\$ ZHOD BDO HED ÿ	
7DP JLiF %&' YX{ BDCWBDC %	



&KÍBCD BED +DL JyF QÝL VBD ĀS F•QJ FK³Q	
ÿ HED BED HEB ÿÿ+(A %) W≠L (ÿ
F &KÍQJ- $\frac{HC}{\$}$ PLQK $\frac{DE}{AE}$	
&KÍQJ PLQK)(+) % \$))()% +) \$)	
&KÍQJ PLQK+P& % (%)	ÿ
ÿ \$) ± () +) ± () + ((% ()	
ÿ $\frac{HC}{\$}$ $\frac{BE BF}{BE ()}$ $\frac{BF}{()}$	ÿ
&KÍQJ P BDEK ÿxQJ GFAD Jÿ $\frac{DE}{AE}$ $\frac{BE}{()}$	
ÿ $\frac{HC}{\$}$ $\frac{DE}{AE}$ $\frac{BF}{()}$ $\frac{BE}{()}$ $\frac{BF}{()}$ $\frac{BE}{()}$ $\frac{()}{()}$	ÿ
&kX(1,0 ÿ km) *L§L SKmkQJ WUu $\sqrt{\frac{x}{x}}$ -x -x Nk d KR»!F	
9ßk d KR»!F WD Fy	
x x $\sqrt{\frac{x}{x}}$ -x -x	
œ x x $a^{-1}\sqrt{\frac{x}{x}}$ -x x x x $0_{1/4}$ x	
œ x $\sqrt{\frac{x}{x}}$ - -x $\frac{a}{x}$ $0_{1/4}$	
œ « «x « $\sqrt{\frac{x}{x}}$ - -x x	
*L§L x œ WP ÿLĀX NLĒQ	ÿ
*L§L $\sqrt{\frac{x}{x}}$ - -x x	
xœ x x $\sqrt{\frac{x}{x}}$	
xœ x x x $\sqrt{\frac{x}{x}}$	
œ x x $\sqrt{\frac{x}{x}}$	
œ $\frac{x}{x}$ x̃ $\sqrt{\frac{x}{x}}$	ÿ
œ $\sqrt{\frac{x}{x}}$ a « « « «x - $\sqrt{\frac{x}{x}}$ $0_{1/4}$	
*L§L 9ßL ÿLĀX dNLĒQ mkQJ WUuQK Y{ QJKLĒP 9ßL ÿLĀX!NLĒQ SKmkQJKKdKQY ĀV BēQ KS WD Fy	ÿ

$x \sqrt{\frac{x}{x}}$	$x \quad x \quad x \quad x \quad \text{œ} \quad x$	
* LŞL SKmkQJ WUuQK√WuFKÓD PmQ ÿLÅX NLĚQ NK{QJ WKÓDQ ÿLÅX NLĚQ		
* LŞL 9βL ÿLÅX!NISĚKmkQJ WUuQK Y{ QJKLEĚP 9βL ÿLÅX dNLĚQQK SKmkQJKKdKQY ĀVĚD KS WD Fy		
$x \sqrt{\frac{x}{x}}$	$x \quad x \quad x \quad x \quad x \quad \text{œ}$	
* LŞL SKmkQJ WUuQK√WuFKÓD PmQ xÿLÅXx NLĚQ WKÓD PmQ WKÓD PmQ ÿLÅX NLĚQ		
9±\ W±S KçS QJKLEĚP FēD SKmkQJ WUuQK ÿm FKR O	6	ÿ

Tuyensinh247.com