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Å Fy JWUDQ

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Th ệ gian làm bài : 90 Phút

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P»W S KABCQJ YjSDM

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&kX &KR KJP\VOIOLrQ Wép WÿrFQ ESQJ ELÃQ WKLrQ QKm K

.K·QJ ÿİQK QjR VDX ÿk\ ÿ~QJ

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

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$\mathbb{Z} \times \mathbb{Z}$

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+jP VÕ NK{QJ Fy FõF WUİ '

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&kX 7ÙQJ VÕ FiF ŷmáQJ WLËP F±Q ŷíQJ YjjWLËP F±Q

$$y = \frac{\sqrt{x}}{x}$$

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99	99
100	100

& k X Tập hợp tất cả các giá trị của tham số thực m sao cho phương trình $\frac{|x|}{|x|+1} = 2m$ có nghiệm.

có đúng 2 nghiệm phân biệt là:

\$2 a 10. % 1;2. % 1;2 a 0. 1/4 % 182 . '

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& k X & K b R b! & ~~k~~ R D F [O j F i F V O Ñ J a K ã F O R U J K Y x D P m Q

+m\ ELÇX GLÉQ [WKHR D Yj F

x\$ ac

x $\frac{c}{a}$

x& a c

x a c

&kX &KR D Oj KµQJ VÕ WKõF Yj Kjp VÕ3Ix[a 0xLrQ WéF WUR

7tQK JLi WUİ FëD^aWt^aK SKkQ

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FKó VÕ Yj FiF FKó VÕ ÿy SKŞL NKiF QKDX

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&kX 7URQJ P»WySKKQJ ÿmáQJ xWUzQ 9LÃW SKmkQJ W
ÿmáQJ WUÉQDOÿnsQQ WUDQSKpS OÿWkVÖWkP

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GLËQ \$%&' QK±Q ÿmáQJ WUzQ QJR¥L W LÃSQW DPL JlyFW%&' W
QK©W FëD WÍ GLËQ \$%&' VÁ Oj

$\frac{a^3\sqrt{3}}{12}$

$\frac{a^3\sqrt{2}}{12}$

$\frac{a^3}{12}$

$\frac{a^3}{4}$

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KRjQK₀ÿÉLÃW"(u₀)=Qđ.

\$=6x-9

y=9x+6

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y=9x-6

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y=6x+9

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&kX ;pW WtFK[√]SKkQ 6ñ GéQJ SKmkQJ SKuSxÿÙWtEKÃSQKVO,Y

ÿmçF ELÃQKÿGLYQWKQJR VDX ÿk\

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$$I \& - \int_0^1 x^u du \qquad I \int_0^1 x^u du$$

&kX 7URQJ FiF PËQK ÿÅ VDX PËQK ÿÅ QjR VDL"

\$KÍ Fy Q RÖLRÿD QLEQ ÿÅX

ÖÜL ÿíQK FëD PÝWÿNÖKÖLFKÖGLEÖQDÖW QK©W ED P»W

&uQK FKyS WDP JLÿS FÅXEÖQKÿQK ÖKQYÅXQJ WDP JL

ÖÜL F¥QK FëD KËQKÿBKÖQÖQFÖD ÿ~QJ KDL P»W

&kX Cho các số thực x,y thỏa mãn $x^2 - 2xy - 3y^2 = 4$. Giá trị lớn nhất của biểu thức

$P = x - y^2$ là:

$$\max P = 8.$$

$$\max P = 16.$$

$$\max P = 12.$$

$$\max P = 4.$$

&kX &KR KuQK KÝASCFKBCDCKFÿB cm AD cm AA cm 7tQK WKÇ

WtFK NABCDKBCSc c c

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$$F\$ \frac{S}{\text{©}} - \frac{.S}{.1}$$

&kX ÖÝW W¥S FKt ÿmçF×QiQPÝWJHÖÖQ &KFLXÖQt W×SWFËtS QE

J×P OmkQJ FiQ EÝ R{QÿmQKFKRLEQL F{QJ WKÍF

&[[[&[ÿmçF WtQK QW×HÖJÿ&QKÿISK¥ SKiW KjC

PÛL FXÖQ Oj QJKRÖQÿWQX &KFLËKQ W¥SÖFËtQE W¥SJ×FKt Yj

ÿ×QJ QK±Q ÿmçF WĩñT×ÖQBXÖQ L*QSUÖÅWAX7ÿQK FVÖiQVLÅQ Om

Fy WKÇ Fy ÿmçF NKL EiQ W¥S FKt

$$\begin{matrix} \$ & & \ddot{y} \times QJ \\ & & \ddot{y} \times QJ \end{matrix} \qquad \begin{matrix} \ddot{y} \% QJ \\ \ddot{y} \times QJ \end{matrix}$$

$$\&kX 7uaP\ddot{y}\Ç KjP VÖ O LrfQx W \left\{ \begin{array}{l} x+a \text{ khi } x \leq \\ \frac{x^2 - x + a}{x-} \text{ khi } x > \end{array} \right. 5$$

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 &kX &KR FiF VÕ WKõF D E Yj FiF PËQK ŷÅ

- $$\int_a^b f(x) dx - \int_a^b 3f(x) dx = 3$$
- $$\int_a^b f(x) dx - \int_a^b 3f(x) dx = 3$$
- $$\int_a^b f(x) dx - \int_a^b 3f(x) dx = 3 \gg \frac{1}{4}$$
- $$\int_a^b f(x) dx - \int_a^b 3f(u) du = 3$$

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YβL ŷi\ SC%MAAR YβL PABCD SRŶQJ Jy F7tQK GSEQē WtF*W F«X QJ
WLĂS K\$QBCDFKyS

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QJKİFK ELĂQ (W;u)rQ NKR\$QJ

$r \geq 2$ $m \geq 0$ $\% \leq -\frac{1}{4}$ $\& m \geq \frac{1}{4}$ '

&kX 7uP QJXlrQ Kjp F&D^xKjp VŌ

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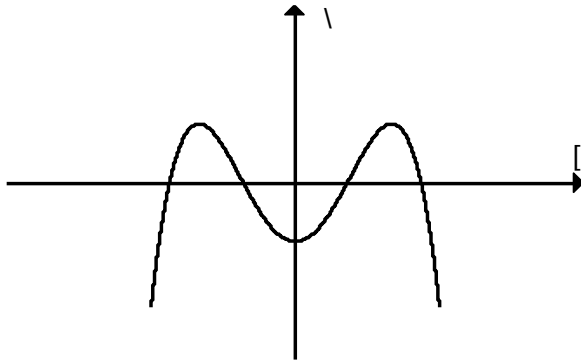
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&kX Cho tứ diện $ABCD$ có $AB = a$, $AC = a\sqrt{2}$, $AD = a\sqrt{3}$, các tam giác ABC , ACD , ABD là các tam giác vuông tại đỉnh A . Tính khoảng cách d từ điểm A đến mặt phẳng BCD .

$$d \leq \frac{a\sqrt{66}}{11} \qquad d \leq \frac{a\sqrt{6}}{3} \qquad \%$$

$$d \leq \frac{a\sqrt{30}}{5} \qquad d \leq \frac{a\sqrt{3}}{2} \qquad ,$$

&kX +Ñ QJKLEP FëD 6skm¹₂QJOWUuQK

$$\frac{\$}{6} k^2 \quad S \quad \% \frac{2S}{2} k \quad S \quad \frac{2S}{3} k^2 \quad \& ' \quad \frac{S}{3} k^2 \quad S$$

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Ph/n ấp án câu trư nghi Ơ:

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