

Info 1

2023 ősz 1. zh

NÉV*

NEPTUN KÓD*

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1. (A) $\text{Ár: } 5\$$ (B) hibás forrás

Forrás	Eredmény
$\text{Ár: } 5\$$	A
$\text{Ár: } 5\$$	B

2. (A) $\frac{a}{b}c$ (B) $\frac{ab}{c}$ (C) $\frac{a}{bc}$ (D) $a\frac{b}{c}$ (E) hibás forrás

Forrás	Eredmény
$\frac{ab}{c}$	B
$a\frac{bc}{c}$	E
$\frac{abc}{c}$	A
$a\frac{bc}{c}$	D
$\frac{a}{bc}$	C

3. (A) a_{ij} (B) $a_i j$ (C) a_{i_j} (D) hibás forrás

Forrás	Eredmény
a_{i_j}	D
a_{ij}	B
$a_{\{i_j\}}$	C
$a_{\{ij\}}$	A

4. (A)

$$\begin{aligned} \sin(x + y) &= \sin x \cos y + \cos x \sin y, \\ \cos x \cos y - \sin x \sin y &= \cos(x + y) \end{aligned}$$

- (B)

$$\begin{aligned} \sin(x + y) &= \sin x \cos y + \cos x \sin y, \\ \cos x \cos y - \sin x \sin y &= \cos(x + y) \end{aligned}$$

(C)

$$\sin(x+y) = \sin x \cos y + \cos x \sin y,$$

$$\cos x \cos y - \sin x \sin y = \cos(x+y)$$

(D) hibás forrás

Forrás	Eredmény
<pre>\begin{equation*} \sin(x+y) \&= \sin x \cos y + \cos x \sin y, \\ \cos x \cos y - \sin x \sin y \&= \cos(x+y) \end{equation*}</pre>	D
<pre>\begin{multline*} \sin(x+y) = \sin x \cos y + \cos x \sin y, \\ \cos x \cos y - \sin x \sin y = \cos(x+y) \end{multline*}</pre>	B
<pre>\begin{align*} \sin(x+y) \&= \sin x \cos y + \cos x \sin y, \\ \cos x \cos y - \sin x \sin y \&= \cos(x+y) \end{align*}</pre>	C
<pre>\begin{gather*} \sin(x+y) = \sin x \cos y + \cos x \sin y, \\ \cos x \cos y - \sin x \sin y = \cos(x+y) \end{gather*}</pre>	A

5.

(A) (2, 2)

(B) (2, 2)

(C) (2, 2)

(D) (2, 2)

(E) hibás forrás

Forrás	Eredmény
<pre>\begin{tikzpicture} \draw[very thin, gray!30](-2.2,-2.2) node[below,left]{\(-2,-2\)} grid (2.2,2.2) node[above,right]{\\$(2,2)\\$}; \draw (1,-1) circle (1) -- ++(0,2) -- ++(-2,0) circle (1) -- ++(0,-2) -- ++(2,0); \end{tikzpicture}</pre>	B
<pre>\begin{tikzpicture} \draw[very thin, gray!30](-2.2,-2.2) node[below,left]{\(-2,-2\)} grid (2.2,2.2) node[above,right]{\\$(2,2)\\$}; \draw (-1,-1) circle (1) -- (1,-1) -- (1,1) circle (1) -- (-1,1) -- (-1,-1) \end{tikzpicture}</pre>	E
<pre>\begin{tikzpicture} \draw[very thin, gray!30](-2.2,-2.2) node[below,left]{\(-2,-2\)} grid (2.2,2.2) node[above,right]{\\$(2,2)\\$}; \draw (-1,-1) circle (1) -- (1,-1) -- (1,1) circle (1) -- (-1,1) -- (-1,-1); \end{tikzpicture}</pre>	A
<pre>\begin{tikzpicture} \draw[very thin, gray!30](-2.2,-2.2) node[below,left]{\(-2,-2\)} grid (2.2,2.2) node[above,right]{\\$(2,2)\\$}; \clip (-1,-1) circle (1) (1,1) circle (1); \draw (-1,-1) rectangle (1,1); \end{tikzpicture}</pre>	D
<pre>\begin{tikzpicture} \draw[very thin, gray!30](-2.2,-2.2) node[below,left]{\(-2,-2\)} grid (2.2,2.2) node[above,right]{\\$(2,2)\\$}; \clip (-1,-1) rectangle (1,1); \draw (-1,-1) circle (1) (1,1) circle (1); \end{tikzpicture}</pre>	C