Info 1 2024 ősz 1. pótzh

NÉV* NEPTUN KÓD*

000

1. (A) a^{bc} (B) $a^{\{bc\}}$ (C) a^{b^c} (D) $\{a^b\}^c$ (E) `hibás forrás`

Forrás	Eredmény
`$\{a^b\}^c$`	
`$a^{\{bc\}}$`	
`${a^b}^c$`	
`$a^b^c$`	
`$a^{bc}$`	

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

Forrás	Eredmény
`$\binom a{bc}$`	
`$a\binom bc$`	
`$\binoma bc$`	
`$\binom{ab}c$`	
`$\binom abc$`	

3. (A)

(1)
$$\sin(x+y) = \sin x \cos y + \cos x \sin y,$$
$$\cos x \cos y - \sin x \sin y = \cos(x+y)$$

(B)

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

(C)

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

(D)

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

(E) `hibás forrás`

Forrás	Eredmény

`\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*}`	

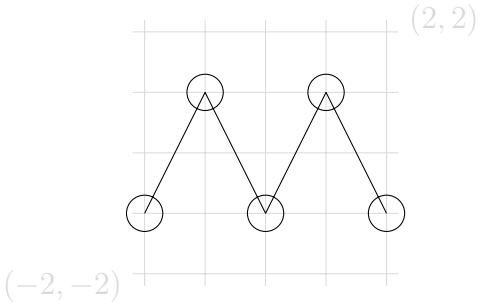
`\begin{gather}`
`  \sin(x+y) = \sin x\cos y+ \cos x\sin y, \\`
`  \cos x\cos y - \sin x\sin y  = \cos(x+y) \notag`
`\end{gather}`	

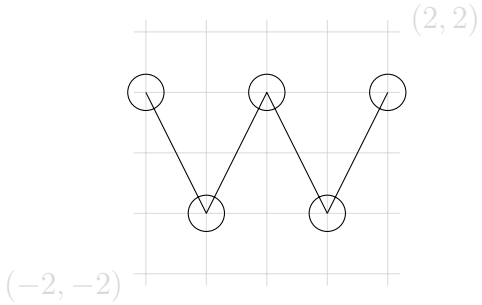
`\begin{multline*}`
`  \sin(x+y) = \sin x\cos y+ \cos x\sin y, \\`
`  \cos x\cos y - \sin x\sin y  = \cos(x+y)`
`\end{multline*}`	

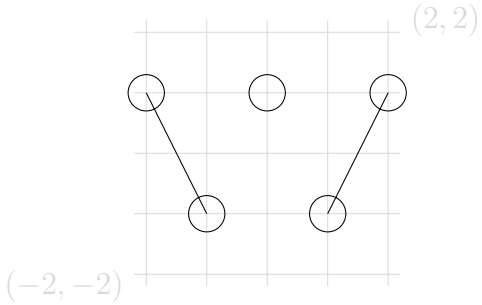
`\begin{align*}`
`  \sin(x+y) &= \sin x\cos y+ \cos x\sin y, \\`
`  \cos x\cos y - \sin x\sin y  &= \cos(x+y)`
`\end{align*}`	

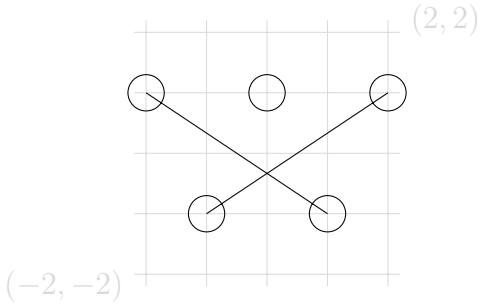
`\[`
`    \sin(x+y) &= \sin x\cos y+ \cos x\sin y, \\`
`  \cos x\cos y - \sin x\sin y  &= \cos(x+y)`
`\]`	

4.

(A) 

(B) 

(C) 

(D) 

(E) `hibás forrás`

Forrás	Eredmény

`\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 (-2,1) circle (0,3) -- (1, -1) circle (0,3)  (0,1)`
`   circle (0,3)  (-1,-1) circle (0,3) -- (2,1) circle (0,3)  ;`
`\end{tikzpicture}`	

`\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 (-2,1) circle (0.3) -- (-1, -1) circle (0.3)  (0,1)`
`   circle (0.3)  (1,-1) circle (0.3) -- (2,1) circle (0.3)  ;`
`\end{tikzpicture}`	

`\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 (-2,1) circle (0.3) -- (1, -1) circle (0.3)  (0,1)`
`   circle (0.3)  (-1,-1) circle (0.3) -- (2,1) circle (0.3)  ;`
`\end{tikzpicture}`	

```
\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 (-2,-1) circle (0.3) -- (-1, 1) circle (0.3) -- (0,-1)
   circle (0.3) -- (1,1) circle (0.3) -- (2,-1) circle (0.3)  ;
\end{tikzpicture}
```

```
\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 (-2,1) circle (0.3) -- (-1, -1) circle (0.3) -- (0,1)
   circle (0.3) -- (1,-1) circle (0.3) -- (2,1) circle (0.3)  ;
\end{tikzpicture}
```