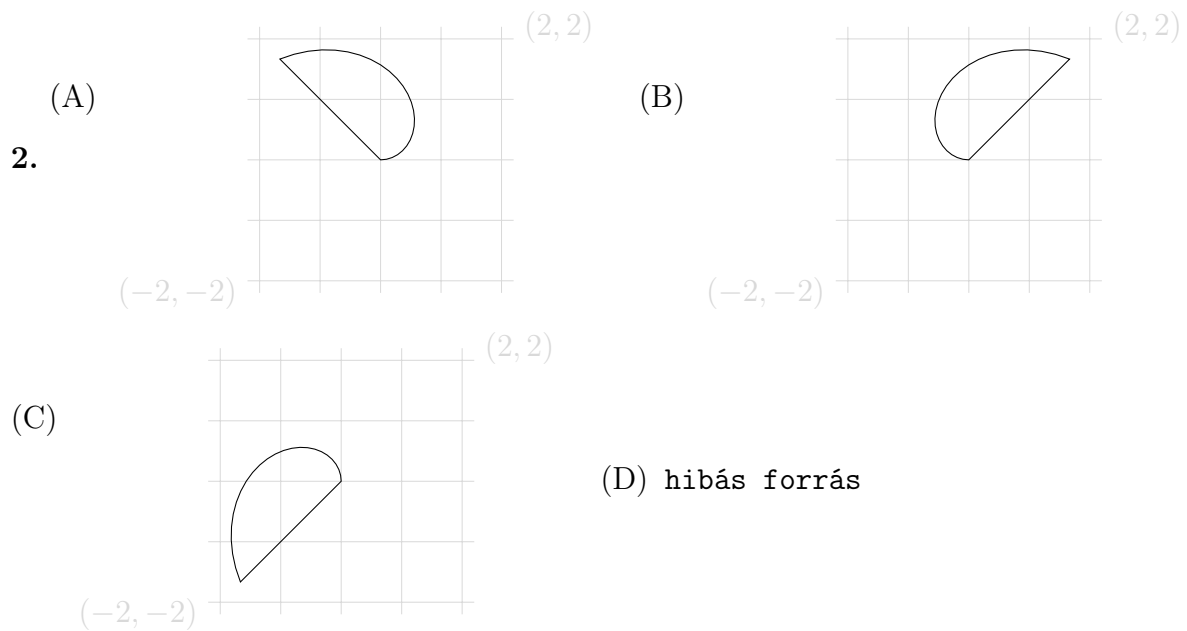


<pre> \begin{tikzpicture} \draw[very thin, gray!30](-2.2,-2.2) node[below,left]{\(-2,-2\)} grid (2.2,2.2) node[above,right]{\\$(2,2)\\$}; \foreach \j in {60,180,300} {\draw[->>,shift = {(\j:2)}, scale=0.5] (0,0) foreach \i in {60,120,...,360} { (\i:2) -- (\i:1) }; } \end{tikzpicture} </pre>	
<pre> \begin{tikzpicture} \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[->>] (0:2) foreach \i in {60,120,...,360} { (\i:2) -- (\i:1) } ; \end{tikzpicture} </pre>	
<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)\\$}; \foreach \i in {60,120,...,360} {\draw[->>] (\i:2) -- (\i:1) ; } \end{tikzpicture} </pre>	
<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)\\$}; \foreach \j in {60,180,300} {\draw[->>,shift = {(\j:2)},rotate=30] (0,0) foreach \i in {60,120,...,360} {(\i:1) -- (\i:0.5)}; } \end{tikzpicture} </pre>	
<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)\\$}; \foreach \j in {60,180,300} {\foreach \i in {60,120,...,360} {\draw[->>,shift = {(\j:2)},rotate=30,scale=0.5] (\i:2) -- (\i:1) ;}} \end{tikzpicture} </pre>	



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[rotate=90] plot[domain=0:3*pi/4] (deg(\x):\x) --cycle ; \end{tikzpicture}</pre>	
<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 plot[domain=-3*pi/4:0] ({deg(pi+\x)}:-\x) -- cycle ; \end{tikzpicture}</pre>	
<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[rotate=90] plot[domain=0:3*pi/4] ({deg(\x)}:\x) --cycle ; \end{tikzpicture}</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 plot[domain=0:3*pi/4] ({deg(\x)}:\x) --cycle ;
\end{tikzpicture}

```

3. (A) 11/7 (B) 1 (C) 1.57142857142857 (D) 16 (E) 2

Forrás	Eredmény
$(11\%7)^2$	
11/7	
$(11/7).n()$	
$\text{mod}(11,7)^2$	
11//7	

4. Legyen $v=\text{vector}([1,2,0])$; $m = \text{matrix}([[3,2,1],[1,-1,2],[1,2,1]])$

- (A) (1,-1,2) (B) (1, 2, 0) (C) (7, -1, 5) (D) 5 (E) 3

Forrás	Eredmény
$m.\text{column}(1).\text{norm}()$	
$m*(m.\text{solve_right}(v))$	
$v.\text{dot_product}(v)$	
$(m^{(-1)}*m^2).\text{row}(1)$	
$m*v$	