

|      |        |       |  |
|------|--------|-------|--|
|      |        |       |  |
|      |        | north |  |
| west | origin | east  |  |
|      |        | south |  |

```
% !TEX encoding = UTF-8 Unicode
% !TEX TS-program = pdflatex
\documentclass{article}
\usepackage{tikz}
\begin{document}
\begin{tikzpicture}
\draw [lightgray] (-2, -2) grid (2, 2);
\node at (0, 1) {north};
\node at (-1, 0) {west}; \node at (0, 0) {origin}; \node at (1, 0) {east};
\node at (0, -1) {south};
\end{tikzpicture}
\end{document}
```