



```
% !TEX encoding = UTF-8 Unicode
% !TEX program = pdflatex
\documentclass{article}
\usepackage{tikz}
\begin{document}
\begin{tikzpicture}
\foreach \thet in {0, 30, 60, 90, 120, 150, 180}{
\draw (0, 0) -- (\thet: 3);
\node at (\thet: 4) {$\theta = \thet$};
}
\end{tikzpicture}
\end{document}
```