

```
% !TEX encoding = UTF-8 Unicode
% !TEX program = pdflatex
\documentclass{article}
     \usepackage{tikz}
\begin{document}
    \begin{tikzpicture}
         \draw[->] (-4, 0) -- (6, 0) node[below]{$x$ axis};
         \draw[->] (0, -2) -- (0, 8) node[above]{$y$ axis};
         \left\{ -14 \right\}
         \left\{ -17 \right\}
         \forall draw \ plot[variable = \t, \ domain = -4:6, \ samples = 100]
               (\{\t\}, \{((\t)^3 + \p_{\star}\t + \q)/20\});
         \pgfmathsetmacro\inacos\{3_{\star} \neq sqrt(-3/p)/2/p\}
         \pgfmathsetmacro\acos(\inacos)}
         \protect\operatorname{\mathsf{Npgfmathsetmacro}}^2_{\mathsf{x}}\operatorname{\mathsf{sqrt}}(-\p/3)
         \pgfmathsetmacro\incosi{\acos/3-120}
         \pgfmathsetmacro\incosii{\acos/3-240}
         \pgfmathsetmacro\incosiii{\acos/3-360}
         \pgfmathsetmacro\rooti{\radi*cos(\incosi)}
         \pgfmathsetmacro\rootii{\radi*cos(\incosii)}
         \pgfmathsetmacro\rootiii{\radi*cos(\incosiii)}
         \draw [teal] (0, 5) circle(\radi);
         \draw [teal] (0, 5) -- +(\incosi:\radi) -- (\rooti, 0);
\draw [teal] (0, 5) -- +(\incosii:\radi) -- (\rootii, 0);
         \draw [teal] (0, 5) -- +(\incosiii:\radi) -- (\rootiii, 0);
     \end{tikzpicture}
\end{document}
```