



```

\documentclass{article}

\usepackage{pstricks-add}

\makeatletter
\newcommand{\psxpoint}[3][black]{%
  \psline[linewidth=.5pt]{-}(\#2,\pst@xticksB)(\#2,\pst@xticksA)
  \rput[t](! #2 \pst@number\pslabelsep \pst@number\pst@xticksB add
\pst@number\psyunit div neg ){\color{#1}#3}}
\makeatother
\begin{document}

\begin{psgraph}[arrows=->](0,0)(-1,-2)(4,2){.5\textwidth}{!}
  \psplot[algebraic]{0}{4}{sin(x)}
  \psxpoint[red]{1.5}{\$2x_0\$}
\end{psgraph}

\end{document}

```