

```
\begin{tikzpicture}
  \begin{axis}[
    axis lines=middle,
    xmin=-4, xmax=4,
    ymin=1, ymax=4,
    xtick={-2,-1,0,1,2},
    ytick={1,2,3,4},
    xlabel style={below right},
    ylabel style={above left},
  ]
    \addplot[domain=-4:4,smooth,red,thick] {cosh(x)};
    \node[right] at (axis cs: 1,3) {$C_f$};
  \end{axis}
\end{tikzpicture}
```

