The Function sinc\((x)\)

The *unnormalized sinc function* is defined to be:

\[
sinc(x) = \frac{\sin x}{x}.
\]

This function is used in signal processing, a field which includes sound recording and radio transmission.

Use your understanding of the graphs of \(\sin(x)\) and \(\frac{1}{x}\) together with what you learned in this lecture to sketch a graph of \(sinc(x) = \sin(x) \cdot \frac{1}{x}\).