The Function sinc(x)

The *unnormalized sinc function* is defined to be:

$$\text{sinc}(x) = \frac{\sin x}{x}.$$

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 $\text{sinc}(x) = \sin(x) \cdot \frac{1}{x}$.

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