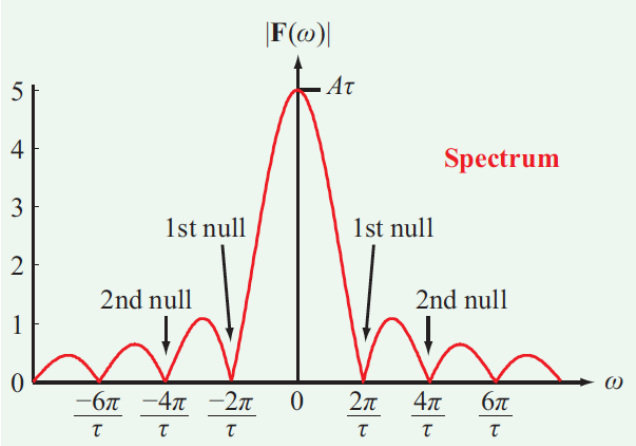
Concept Question 13-12: What is a sinc function, and what are its primary properties? Why is sinc(0) = 1?

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




As we approach $t = 0$, both $x$ and $\sin(x)$ approach zero, but their ratio approaches 1.