1. Write a mathematical expression, using the 1-D functions defined in the class notes, for each of the following functions and their Fourier transforms. Graph the amplitude part of the Fourier transform.

2. Graph the following functions:
   a. $\text{rect}(x/b) \times \text{tri}(x/b)$
   b. $\cos(2\pi x/b) \times \delta(2x/b)$