PROBLEM:

-5

-2

(a)

(e)

-5

-3

-2

Several signals are plotted below along with their corresponding spectra. However, they are in a random order. For each of the signals (a)–(e), determine the correct spectrum (1)–(5). Explain your answers by deriving the mathematical formula for a time signal from each of the spectrum plots.

2

2

0

Time (sec)

3

Time (sec)

3





